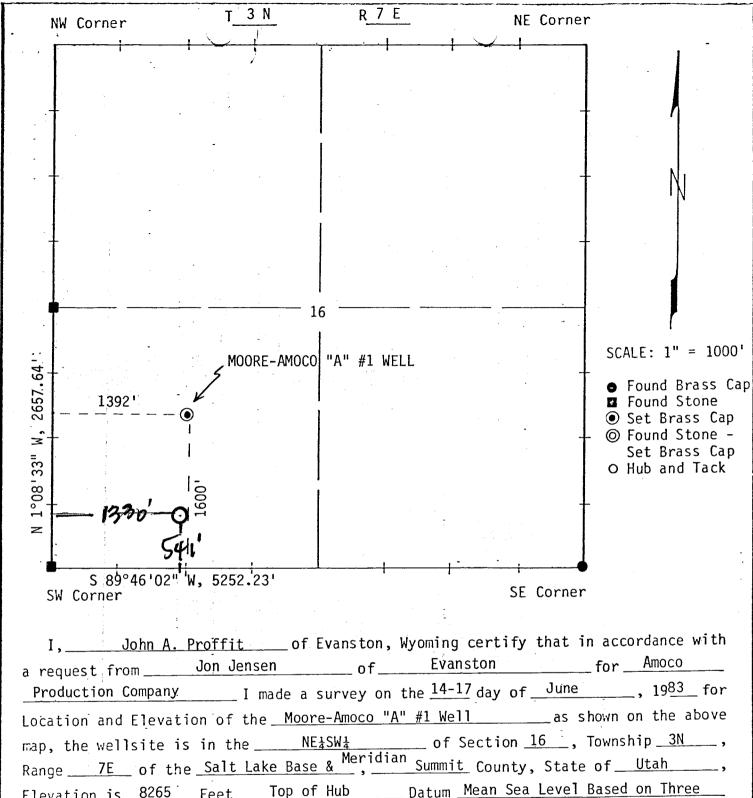
STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL GAS, AND MINING



| | DIVISION OF OIL, | GAS, AND MINING | G | | Fee | 1 and Serial No. |
|---|---|---|--|--|--|---|
| APPLICATION | FOR PERMIT T | O DRILL, DEE | PEN, OR PLU | G BACK | 6. If Indian, Allotte | e or Tribe Name |
| a. Type of Work DRILL | | DEEPEN [] | | BACK [| 7. Unit Agreement 1 | Vame |
| b. Type of Well Oil Gas | ₹7 | • | Single | Multiple | 8. Farm or Lease N | lame |
| Well Wel . Name of Operator | Other | | Zone 🗀 | Zone | Moore-An | noco "A" |
| - | ustion Compos | 211 | Me | | 9. Well No. | |
| AllIOCO FIOU Address of Operator | uction Compar | ily | IVISA | | - #1 | |
| | 29, Evanston | Wyoming 8 | AUGU | EMAR | 10. Field and Pool, | or Wildcat |
| Location of Well (Report | | | wirements *) | | Nildcaty | |
| At surface | SL & 1392 F | | JUL O. | | l. Sec., T., R., M. | |
| At proposed ordi, zone | 1330 | 2011 | U_{i} | 1982 | Sec 16 | T3N, R7E |
| DHL: 1000 | lirection from hearest tow | n or post office* | - Divis | -003 | 12. County or Parri | |
| I. Distance in innes and d | irrection inom nearest tow | n or post office | OIL, GAS ON | 10- | Summit | Utah |
| 5. Distance from proposed | * | . 16 | OIL, GAS IN GAS | 17. No. | of acres assigned | |
| location to nearest property or lease line, | | 10. | THE OF METERS IN CASE | NING to the | nis well | |
| (Also to nearest drlg. lin | ne, if any) | | | | ary or cable tools | |
| Distance from proposed to nearest well, drilling | , completed, | | Proposed depth | | - | |
| or applied for, on this l | ease, ft. | | 14,500 | | Rotary 22. Approx. date | went will stort* |
| . Elevations (Show whether | er DF, RT, GR, etc.) | | V | | | _ |
| 8265' GR | | | | | wnen a | approved |
| , |] | PROPOSED CASING A | ND CEMENTING PRO | OGRAM | | |
| Size of Hole | Size of Casing | Weight per Foot | Setting Depth | | Quantity of Ce | ment |
| 26" | 20". | 106# | 300 | | | surface |
| | 13 3/8" | 54.5# | 4000' | Α | t least a | |
| 1/2 | 13 3/0 | J4 • J1/ | 4000 | S | econd stage | |
| 70711 | 0 = /011 | 1.2 5 1.71 | 11000' | | t least a 2 | 2000' colu |
| 12½" | 9 5/8'' 7 5/8'' | 43.5-47# 33.7-39# | 12600' | | mt to line | |
| 8% | | 33.7 - 39# | 12000 | C | inc co ilici | - COD |
| C1.11 | (liner) 5" | 1 E./L | 14500' | C | mt to line | c ton |
| 6½'' | • | 1 <i>5‡</i> | 14500 | C | ing co rriter | LOP |
| : | (liner) | | ng to the contract | | | |
| | | | | o and more in or district to the particular districts on a | were a transfer and chief to hite. | Company on the con- |
| | | | | | And the second | |
| | | | _ | APPRO | /FB | |
| То | develop and t | test Nugget | Reserves | OF | VED BY THE | STATE |
| | | | | OL O | AH DIVISIO | N OF |
| | | | | OIL, G | AS, AND M | INING |
| | | | | DATE: | 111418 | 21 |
| | | | | BY: | ZDX1 | - |
| | | | | | 12) | 2// |
| N ABOVE SPACE DESCI active zone. If proposal in reventer program, if any. | RIBE PROPOSED PROGE is to drill or deepen direct | RAM: If proposal is to tionally, give pertinent | deepen or plug back, data on subsurface loc | give data on pr cations and meas | esent productive zone a sured and true vertical | and proposed new p depths. Give blow |
| 4. | - | • 7 | | | | |
| | J J | 11th - | | A 7 : | | 20/02 |
| Signed | nd (). Om | Title. S | taff Admin | Analyst | | ده/مع |
| (This space for Federal | or State office use) | | | | | |
| | | | | | | |
| Permit No | | | Approval Date | | | *************************************** |
| | | | | | | |
| Approved by Conditions of approval, | if any: | Title | | | Date | |
| conditions of approval, | it celly. | | | | | |



| 1, John A. Proffit of Evansion, wyoming certify that in accordance with |
|--|
| a request from <u>Jon Jensen</u> of <u>Evanston</u> for <u>Amoco</u> |
| Production Company I made a survey on the $\frac{14-17}{2}$ day of $\frac{1}{2}$ June , $\frac{1983}{2}$ for |
| Location and Elevation of the <u>Moore-Amoco "A" #1 Well</u> as shown on the above |
| map, the wellsite is in the $\frac{NE_{\frac{1}{4}}SW_{\frac{1}{4}}}{}$ of Section 16, Township 3N, |
| Range 7E of the Salt Lake Base & Meridian Summit County, State of Utah , |
| Elevation is 8265 Feet Top of Hub Datum Mean Sea Level Based on Three |
| Dimensional Control Network tied to U.S.G.S. & U.S.C.& G.S. Bench Marks |
| Reference point N 28°-E, 300' TOP OF REBAR ELEVATION 8258.6' |
| Reference point N 28° E, 350' TOP OF REBAR ELEVATION 8253.6' |
| Reference point N 28° E, 350' A. Fr. TOP OF REBAR ELEVATION 8253.6' Reference point S 28° W, 3011 Olster TOP OF REBAR ELEVATION 8273.9' |
| Peference point S 28° W, 350' TOP OF REBAR <u>ELEVATION 8276.7'</u> |
| 2860 |
| BOOK 280 - Alt #3 : JOHN A. PROFFIT WAY R.L.S. NO. 2860 |
| BOOK 280 - Alt. #3 JOHN A. PROFFIT WAR R.L.S. NO. 2860 |

DATE: June 23, 1983

JOB 40.: 83-10-26 Revised 6/24/83

UINTA ENGINEERING & SURVEYING, INC. 808 MAIN STREET, EVANSION, WYOMING

ATTACHMENT TO FORM OGC-1a MOORE-AMOCO "A" #1

- 1) Geologic name of the surface formation: Tertiary
- 2) Estimated tops of geological markers:

| Cretaceous | 3650 |
|------------|----------------|
| Preuss | 10650' |
| Salt | 12150 ' |
| Twin Creek | 12450 ' |
| Nugget | 13850' |

- 3) Casing Program: See Form OGC-1a, Item #23
- 4) Operator's minimum specifications for pressure control equipment is explained on the attached schematic diagram. Testing of such will be performed daily and noted on the IADC Daily Drilling Report. After running 13 3/8" surface casing and prior to drilling out, the BOP will be tested to the full working pressure rating as shown on the attached schematic. Thereafter, testing will be performed in accordance with State/Federal requirements.
- 5) Logging Program:

| DIL-GR | Base of | 13 | 3/8 | casing | to | Total | Depth |
|------------|---------|----|------|----------|----|-------|-------|
| FDC-CNL-GR | Base of | 13 | 3/8 | casing | to | Total | Depth |
| BHC-GR | Base of | 13 | 3/8 | casing | to | Total | Depth |
| HDT | Base of | 13 | 3/8 | casing | to | Total | Depth |
| Check Shot | | | | _ | | | |
| Velocity | Surface | to | Tota | al Depth | n | | |
| | Surface | to | Tota | al Depth | n | | |

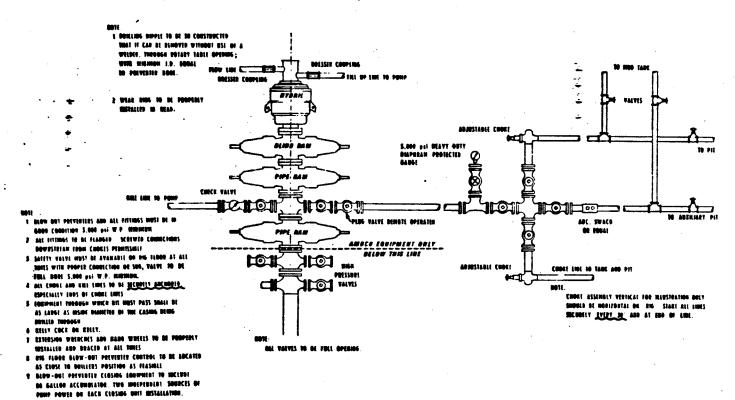
6) Mud Program:

```
0' - 4000' Native 8.4-8.8# Sweeps as needed 4000'-11000' LSND, KCL 9.5-9.8# 11000'-12600' NaCl-KCl 10.0-10.5# (1) 12600'-14500' LSND 8.5-8.9#
```

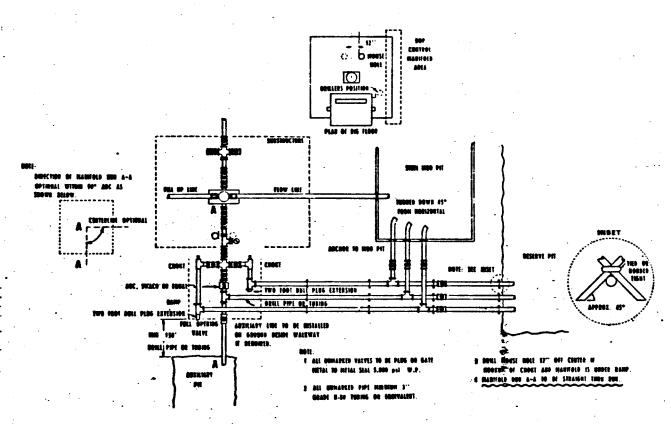
- (1) Saturate with NaCl prior to penetrating Preuss Salt
- 7) Coring Program:

One 60' rotary core at approximately 50' below top of Nugget.

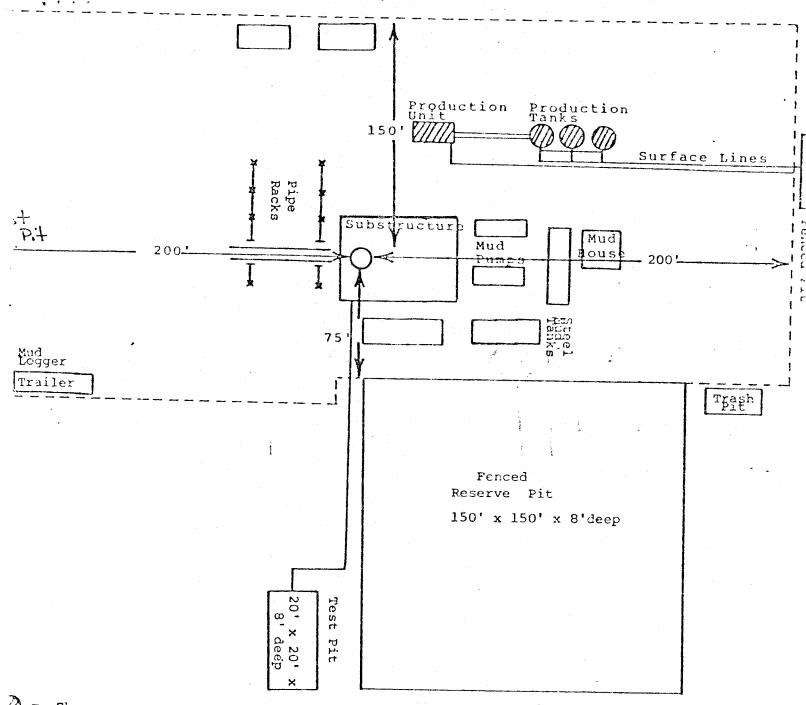
8) No abnormal pressures, temperatures, or hydrogen sulfide gas is anticipated.



AND MEET ALL MAC SPECHICATIONS.



Amoco Production Company
STANDARD ASSEMBLY FOR FLUID
OPERATED TRIPLE BLOW-OUT PREVENTER
8,000 pol W.P.



) = Shows permanent production equipment to be installed after drilling rig has moved out.

--= Dotted lines indicated perimeter of leveled location.

The fenced pit used for production will be covered if any fluid is present. The drilling and production pads will be constructed with doxers and graders using native material.

TYPICAL LOCATION LAYOUT

AMOCO PRODUCTION COMPANY
P. O. Box 17675
SALT LAKE CITY, UTAL 84117

EXHIBIT"D"



Amoco Production Company (USA) Evanston, WY 82930

June 29, 1983

State of Utah Division of Water Rights 1636 West North Temple Salt Lake City, Utah 84116

File: JEK- 978-403/WF

Applications for Temporary Change of Point of Diversion, Place or Purpose of Use - Moore-Amoco "A" #1 Well located in NE/4 SW/4, Sec. 16, T3N, R7E, Summit County, Utah, SLB & M

Enclosed are two temporary Change Applications to obtain a total of 8 acre feet of water for use in drilling and completion operations at the above referenced well. Also enclosed is draft no. 230218 in the amount of \$15.00 which is submitted in payment of the \$7.50 filing fee for each application.

In compliance with the State Engineer's Directive of January 10, 1983, "NO OBJECTION" letters have been mailed to Lawrence Wright for completion. Copies of the letters to Mr. Wright are enclosed for your information as well as copies of the lease agreements with Thomas L. Marsh and Copley Walker for the shares to be changed.

Please process these applications for approval as soon as possible. If you have any questions, please contact Alan Hoki at (307) 789-1700.

T. G. Doss

District Superintendent

AH/sh

Enclosures

OX.



Amoco Production Company (USA)

Denver Region Amoco Building 17th & Broadway Denver, Colorado 80202 303 -830-4040

July 14, 1983

Dr. G. A. Shirazi - Director (6) Utah Division of Oil, Gas and Mining 4241 State Office Building Salt Lake City, UT 84114

File: SWS-911-986.511

Application for Approval of Directional Drilling Moore-Amoco "A" No. 1 Section 16 - Township 3 North - Range 7 East Summit County, Utah

Amoco Production Company respectfully requests administrative approval for the directional drilling of the Moore-Amoco "A" No. 1, as provided in Rule C-8(i). This well is to be drilled as a wildcat test of the Nugget formation, with a projected TD of 14,500 ft. The directional drilling of this well is required due to topography. Enclosed, as part of this application, is a topographical map of this area as well as a well location-ownership plat.

Amoco Production Company, as operator of this well, proposes to directionally drill this well from a surface location 541' FSL and 1330' FWL of Section 16-T3N-R7E to a bottomhole location at approximately 1000' FSL and 600' FWL of Section 16-T3N-R7E, Summit County, Utah. Specifically, Amoco is requesting approval to allow us to directionally control the drilling of the Moore-Amoco "A" No. 1 to penetrate the Nugget formation in a target area which will be no closer than 500 ft. to any property or lease line or from the boundary of any legal subdivision comprising a governmental quarter-quarter section or equivalent lot or lots. The proposed bottomhole location is approximately 580 ft. to the west of Tract 5 and 1129 ft. to the south of Tract 4.

R. B. Giles Can

CAW/h1

Enclosures



- X SURFACE LOCATION
- O BOTTOM HOLE LOCATION

NOTE: FROM UPTON AND CASTLE ROCK QUADRANGLES PUBLISHED BY THE GEOLOGICAL SURVEY.

TOPOGRAPHY

AMOCO PRODUCTION COMPANY DENVER REGION SUMMIT CO., UTAH Scale: 1" = 2000'

| ANSCHUTZ | АМОСО | CHAMPLIN | ANSO | CHUTZ |
|----------------------------|--|------------------|--------------|----------|
| 8 | CHAMPLIN 387 AMOCO "B" NO. 1 J&A CHAMPLIN AMOCO "B" TD 8309' TWIN CREEK 9 | N 387 NO. 1-A | 1 | 10 |
| | | | | |
| AMOCO CHAMPLI | Y Tract 2 | Tract 1 | AMOCO | CHAMPLIN |
| 17 | Tract 4 Tract 5 Tract 3 600' MOORE-AMO "A" NO. 1 541' FSL 1330' FWL | co | 1 | 5 |
| DECA DAVIS CITIES DAVIS CI | AMOCO | CHAMPLIN | DA\ (Ansc | |
| CITIES SHELL 20 AMOCO | 21 - | | 2 | 2 |
| AMOCO | | | | |

X SURFACE LOCATION

O BOTTOM HOLE LOCATION

- JUNKED AND ABANDONED

₩ TWIN CREEK PRODUCER

OWNERSHIP PLAT

AMOCO PRODUCTION COMPANY DENVER REGION SUMMIT CO., UTAH

Scale: 1" = 2000'

- WORKING INTEREST OWNERS SECTION 16 - TOWNSHIP 3 NORTH - RANGE 7 EAST SUMMIT COUNTY, UTAH

| Tract No. 1 | |
|--|--|
| Amoco Production Company | 100.0% |
| Tract No. 2 | |
| NW Exploration Trend Minerals Wexpro | 66.6% 16.7% 16.7% |
| Tract No. 3 | |
| Amoco Production Company Earl Peet - unleased Deann P. Lay - unleased Mozelle Ruark - unleased | 97.6% 0.8% 0.8% 0.8% |
| Tract No. 4 | |
| Amoco Production Company Earl Peet - unleased Deann P. Lay - unleased Mozelle Ruark - unleased | 97.6% 0.8% 0.8% 0.8% |
| Tract No. 5 | |
| Amoco Production Company Deca Mel Gustaveson - unleased Alfred Gustaveson - unleased Lucile G. Powell - unleased Affalone P. Caldwell Estate - unleased Carol Trands - unleased Rose N. Lee Estate - unleased Marvin Charles Nelson Estate - unleased Alleen N. Gentry Estate - unleased Alburn Nelson Estate - unleased Della N. White Estate - unleased Veloy N. Ashley - unleased Earl Peet - unleased Deann P. Lay - unleased Mozelle Ruark - unleased Marian M. Smith - unleased Fern M. Larsen Black - unleased Marie M. Bevan - unleased Dorothy M. Welde Barkow - unleased | 22.1% 26.2% 5.6% 5.6% 2.4% 16.7% 3.3% 0.3% 0.3% 0.3% 0.3% 0.3% 0.4% 0.4% 0.4% 0.4% |

| APPLICATION NO | |
|---------------------|--|
| DISTRIBUTION SYSTEM | |

Application For Temporary Change of Point of Diversion, Place or Purpose of Use STATE OF UTAH

(To Be Filed in Duplicate)

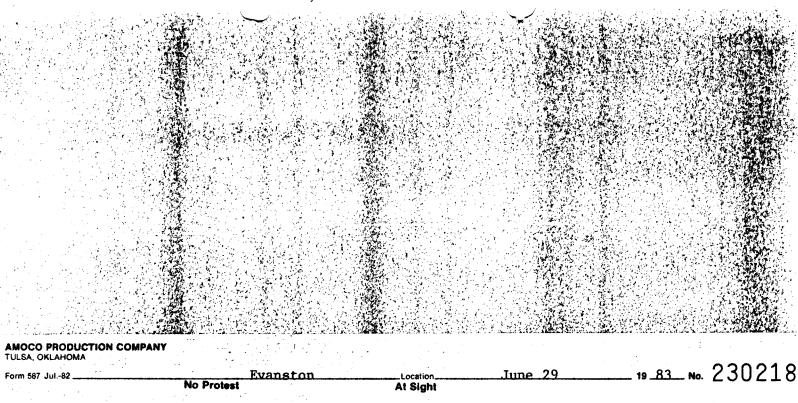
| For the purpose of obtaining permission to temporarily change the point of diversion, place or purpose of use of water, the right to the use of which you acquired by Chalk. Greak-Roytaville, Water. Ilsers. Associated the permission of the per | | | nston, Wyom: Place | ing J Da | une 27 | 19.83 |
|---|--|--|--|--|--|---|
| to that hereinafter described, application is hereby made to the State Engineer, based upon the following showing of facts submitted in accordance with the requirements of the Laws of Uah. The owner of right or application is in Copley Walker. The name of the person making this application is. Amoco. Production. Company. The post office address of the applicant is. PAST USE OF WATER The post office address of the applicant is. The quantity of water which has been used in acce feet is. The water has been used each year from (Month) (Day) (Month) (Day) incl. The water has been stored each year from (Month) (Day) (Month) (Day) (Month) (Day) The water has been diverted into dich at a point located The water involved has been used for the following purpose: Stockwater. The flow of water to be changed in cubic feet per second is. The quantity of water to be changed in cubic feet per second is. The quantity of water to be changed in cubic feet per second is. The quantity of water to be changed in cubic feet per second is. The quantity of water to be changed in cubic feet per second is. The quantity of water to be changed in acre feet is Summit Country, Utah SLB & Mor. water, to be hauled/piped from Porc. Reservoir at a point planting proximately 1500' FSL, Sec. 16, T3N, R7E, Summit Country, Utah SLB & Mor. water, to be hauled/piped from Porc. Reservoir at a point planting proximately 1500' FSL, Sec. 16, T3N, R7E, Summit Country, Utah and School saubmitted the following purpose: Brilling fluid for Moore-Ameso "A". The water in | For the purpose of obtaining permis | sion to tempora | arily change the | point of diversi | on, place or pur | pose of use |
| to that hereinafter described, application is hereby made to the State Enginer. based upon the following showing of acts. submitted in accordance with the requirements of the Laws of Uzah. The owner of right or application is Copley Walker 2. The name of the person making this application is Amoco. Production. Company. 3. The post office address of the applicant is P. O. Box 829, Evanston, Wyoming 82930 PAST USE OF WATER 4. The flow of water which has been used in second feet is | of water, the right to the use of which was | acquired by(| Chalk Creek | Hoytsville | .Water User | s Assoc. |
| 2. The name of the person making this application is | o that hereinafter described, application is | s hereby made t | to the State Eng | , title and date of I ineer, based upo | n the following | No.) showing of |
| P. O. Box 829, Evanston, Wyoming 82930 PAST USE OF WATER 1. The flow of water which has been used in second feet is 2. The quantity of water which has been used in sere feet is 3. The water has been used each year from 4. The water has been used each year from 5. The water has been stored each year from 6. The water has been stored each year from 7. The water has been stored each year from 8. The direct source of supply is 9. The direct source of supply is 9. The water has been diverted into 9. The water has been diverted into 9. The water involved has been used for the following purpose: 10. The flow of water to be changed in cubic feet per second is. 11. The flow of water to be changed in cubic feet per second is. 12. The flow of water to be changed in cubic feet per second is. 13. The water will be diverted into the diverted into the second is a summit county, Utah SLB & M. water to be hauled/piped from Porc Reservoir at a point slappropriated water to be hauled from Porc Reservoir at a point slappropriated water to be hauled from Porc Reservoir at a point slappropriated water unavailable for use. 14. The water involved herein has heretofore been temporarily changed 0 years prior to this application. 15. The water involved herein has heretofore been temporarily changed 0 years prior to this application. 16. The water involved is to be used for the following purpose: Mr. plans, fluid, for Moore-Amore "A". 17. Fill and all associated operations 17. Total | . The owner of right or application is | Copley Wal | lker | | •••••• | |
| PAST USE OF WATER The flow of water which has been used in second feet is. The quantity of water which has been used in acre feet is. The water has been used each year from 1 1 to 12 31 incl. (Month) (Day) (Month) (Day) incl. The water has been stored each year from (Month) (Day) (Month) (Day) incl. The water has been stored each year from (Month) (Day) (Month) (Day) incl. The direct source of supply is in County. The water has been diverted into ditch eanel at a point located eanel at a point located eanel at a point located. The water involved has been used for the following purpose: Stockwater THE FOLLOWING TEMPORARY CHANGES ARE PROPOSED The flow of water to be changed in cubic feet per second is. The quantity of water to be changed in acre-feet is 2. The water will be diverted into the early in the water will be diverted into the early in the water will be diverted into the early in the water of the flow of water to be changed in cubic feet per second is. The quantity of water to be changed in acre-feet is 2. The water will be diverted into the early in the water will be diverted into the early in the water will be diverted into the early in the water involved in the early in the water involved herein has heretofore been temporarily changed on the change are unappropriated water, unavailable for use The water involved herein has heretofore been temporarily changed on early water prior to this application Completion your hange has been made) The water involved is to be used for the following purpose: "Brilling fluid for Moore-Amogo "A" #1 Well and all associated operations Total early acres feet on this application will be combined with the 6.0 acre EXPLANATORY The 2.0 acre feet on this application (Thomas L. Marsh) to meet the 8.0 acres feet on the accompanying application (Thomas L. Marsh) to meet the 8.0 acre feet on the sum of \$5.00 is submitted herewith. I agree to pay an additional fee for either hyvestigating or additional fee for either hyvestigating or additional fee for either h | . The name of the person making this app | olication is | Amoco. Produc | tion Compa | ny | |
| 1. The flow of water which has been used in second feet is. 2. The quantity of water which has been used in acre feet is. 3. The water has been used each year from. 4. The water has been stored each year from. 5. The water has been stored each year from. 6. The water has been stored each year from. 6. The water has been stored each year from. 7. The water has been stored each year from. 8. The direct source of supply is. 9. The water has been diverted into. 9. The water has been diverted into. 9. The water has been diverted into. 9. The water involved has been used for the following purpose: 10. The water involved has been used for the following purpose: 11. The flow of water to be changed in cubic feet per second is. 12. The flow of water to be changed in cubic feet per second is. 13. The water will be diverted into the. 14. Summit County, Utah SLB & M or water to be hauled/piped from Porce Reservoir at a pointly approximately 1642 'FML and 1600' FSL, Sec. 16, T3N, R7E, 15. Summit County, Utah SLB & M or water to be hauled/piped from Porce Reservoir at a pointly approximately 1500' FNL jume 586' FEL (CORT The change will be made from (Period munt not exceed one year) 15. The water involved herein has heretofore been temporarily changed 16. The water involved herein has heretofore been temporarily changed 17. Total. 18. Completivity years shange has been made) 18. Completivity areas shange has been mad | The post office address of the applicant is | s | ox 829, Evar | iston, Wyom | ing 82930 | |
| The water has been used each year from 1 1 1 to 12 31 incl. (Month) (Day) (Month) (Day) (Month) (Da | | | | | | |
| The water has been used each year from | . The flow of water which has been used in | n second feet is | | **** | • | *********** |
| (Month) (Day) (Month) (Day) The water has been stored each year from to make the stored each year from to make the stored each year from the direct source of supply is the water has been diverted into the stored each year from the direct source of supply is the water has been diverted into the tellowing purpose: The water has been diverted into the following purpose: The water involved has been used for the following purpose: The flow of water to be changed in cubic feet per second is. The quantity of water to be changed in acre-feet is 2. The water will be diverted into the be drilled approximately 1642 FM. and 1600' FSL, Sec. 16, T3N, R7E, Summit County, Utah SLB & MOK Water to be hauled/piped from Porce Reservoir at a point approximately 1500' FNL the 38' FEL (can the change will be made from (Period must not exceed one year) The reasons for the change are. Unappropriated water, unavailable, for use. The water involved herein has heretofore been temporarily changed years prior to this application. Completions was shanged and purpose of proposed use. EXPLANATORY The 2.0 acre feet on this application (Thomas L. Marsh) to meet the 8.0. acre feet required by the State. Engineer's Directive of January 10, 1983 (Continued from above) Sec. 21, T3N, R7F. Summit County, Utah. A filing fee in the sum of \$5.00 is submitted herewith I agree to pay an additional fee for either jnyestigating or additional fee for | | | | | | •••••• |
| The direct source of supply is | | (Month) | (Day) | (Month) | (Day) | *************************************** |
| The water involved has been used for the following purpose: Stockwater Total. Total. Total. Total. Total. Total. The Following purpose which has been irrigated. If for other purposes, give place and purpose of use. The Following Temporary Changes are proposed in acresfeet is 2. The water to be changed in cubic feet per second is. The quantity of water to be changed in acresfeet is 2. The water will be diverted into the disch at a point located water well to be drilled approximately 1642 FWL and 1000' FSL, Sec. 16, T3N, R7E, Summit County, Utah SLB & M or water to be hauled/piped from Porce Reservoir at a point approximately 1500' FNL pime 358' FEL (Gant (Period must not exceed one year) The change will be made from (Period must not exceed one year) The reasons for the change are. Unappropriated water, unavailable for use The water involved herein has heretofore been temporarily changed 0 years prior to this application Completically years change has been made) The water involved is to be used for the following purpose: Total. The water involved is to be used for the following purpose: Total. A fling fee in the accompanying application (Thomas L. Marsh) to meet the 8.0 acre feet, required by the State Engineer's Directive of January 10, 1983 (Continued from above) Sec. 21, T3N, P.F. Summit County, Utah A fling fee in the sum of \$5.00 is submitted herewith. I agree to pay an additional fee for either jnyestigating or additional fee for either involved and the sum of \$5.00 is submitted herewith. I agree to pay an additional fee for either jnyestigating or additional fee for either involved and the purpose in the sum of \$5.00 is submitted herewith. I agree to pay an additional fee for either involved in the sum of \$5.00 is submitted herewith. I agree to pay an additional fee for either involved in the purpose in the sum of \$5 | . The water has been stored each year from | | | | | , incl. |
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| APPLICATION NO | · • • • • • • • • • • • • • • • • • • • |
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| DISTRIBUTION SYSTEM | |

Application For Temporary Change of Point of Diversion, Place or Purpose of Use STATE OF UTAH

(To Be Filed in Duplicate)

| | Evanston, Place | Wyomin | g Jun Date | | 19.83 |
|---|--|---|---|---|---|
| For the purpose of obtaining permission | n to temporarily cha | | oint of diversion Strike out written r | | |
| f water, the right to the use of which was acq Certificate #215 o that hereinafter described, application is heacts, submitted in accordance with the require | Give No. of a ereby made to the St ments of the Laws of | ipplication, t tate Engin | vtsville.Wa tle and date of De eer, based upon | ter User: cree and Awar the followin | S. Assoc d No.) g showing of |
| . The owner of right or application is The | omas L. Marsh | | ••••• | | |
| . The name of the person making this applica | | | | | |
| The post office address of the applicant is | P. O. Box 829 | 9, Evan | ston, Wyomi | ng 82930 |) |
| P | AST USE OF W | ATER | | | |
| . The flow of water which has been used in se | cond feet is | | | ···· | ************ |
| . The quantity of water which has been used | | | | | |
| The water has been used each year from | 1 | 11 to . | 12 | 31 | incl. |
| . The water has been stored each year from | Month) (1 | Day) | (Month) | (Day) | |
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Pay To The Order Of State of Utah Division of Water Rights
PROPERLY ENDORSE THIS ITEM AND NEGOTIATE AS A CHECK

Fifteen Dollars and no/100---

15.00

any South

In Payment Of

Applications for Temporary Change of Point of Diversion, Place or Purpose of Use- Moore-Amoco "A" #1 Well located in NE/4 SW/4, Sec. 16, T3N, R7E, Summit County, Utah SLB & M

PAYABLE THROUGH

The First National Bank and Trust Company Tuisa, Oklahoma ومرابط إفراري

003009B#

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| RECONCILE WELL NAME AND LO | OCATION ON APD | AGAINST SAME | DATA ON PLAT MAP. |
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| AUTHENTICATE LEASE AND OPE | CRATOR INFORMAT | ion icci 🔾 🚉 | |
| VERIFY ADEQUATE AND PROPER | | | |
| AUTHENTICATE IF SITE IS II | A NAMED FIELD | | |
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| ORDER | | | |
| c-3-b | | | |
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| CHECK DISTANCE TO NEAREST | WELL. | | 1 |
| CHECK OUTSTANDING OR OVER | RDUE REPORTS FO | | OTHER WELLS. |
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| IF IN OIL SHALE DESIGNATI | ED ARFA, SPECIA | I. APPROVAL I.A | NGUACE. |

Amoco Production Company P. O. Box 829 Evanston, Wyoming 82930

RE: Well No. Moore-Amoco "A" #1
SWSW Sec. 16, T. 3N, R. 7E
Surface - 541' FSL, 1330' FWL
BHL - 1000' FSL, 660' FWL
Summit County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to gas well on said unorthodox location is hereby granted in accordance with Rule C-3(c), and Rule C-8(i) General Rules and Regulations and Rules of Practice and Procedure. Directional drilling information detailing exact bottom hole location to be submitted with well completion report.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to <u>immediately</u> notify the following:

RONALD J. FIRTH - Chief Petroleum Engineer

Office: 533-5771 Home: 571-6068

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (acquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-043-30236.

Sincerely

R. J. Firth

Chief Petroleum Engineer

RJF/as Encl.

Talked to Larry Smel 7/6/83- Will submit letter for exception location + also apply for water Ished to marge Conta 1/1/83 - Will send Marstin. 11/83 Allen Horse Amoro ny will solomet sundry Amors, One were submit letter detailing directione drilling procedures. 4/83 Aller tood, Down, Arnd delivered Directional Anney regard.

TATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

SUBM! | TRIPLICATE*
(Oth __nstructions on reverse side)

| DEPARTMI | ENT OF NATURAL RES | OURCES | |
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| (Do not use this form for proposal Use "APPLICAT | ION FOR PERMIT—" for such | proposals.) | |
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| 2. NAME OF OPERATOR | | | S. FARM OR LEASE NAME |
| Amoco Production Compar | Ŋ | | Moore-Amoco ''A'' |
| 3. ADDRESS OF OPERATOR | | | 9. WELL NO. |
| P.O. Box 829, Evanston, | Wyoming 82930 | | <i>JI</i> 1 |
| 4. LOCATION OF WELL (Report location clea | arly and in accordance with an | v State requirements. | 10. FIELD AND POOL, OR WILDCAT |
| See also space 17 below.) At surface | Ŧ | • | IJi 1 doot |
| old location: 1600' FS | L & 1392' FWL | | Wildcat 11. BEC., T., R., M., OR BLK. AND |
| new location: 541' FSL | . & 1330' FWL | | SURVEY OR AREA |
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| 14. PERMIT NO. | 15. ELEVATIONS (Show whether I | P PT OP etc.) | 12. COUNTY OR PARISH 18. STATE |
| Not Assigned | 8265' GR | , NI, UN, EW.) | Summit Utah |
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| (Other) | | (Note: Report resu | ilts of multiple completion on Well mpletion Report and Log form.) |
| 17. DESCRIBE PROPOSED OR COMPLETED OPERA | TIONS (Clearly state all pertine | nt details, and give pertinent dat | es, including estimated date of starting any tical depths for all markers and zones perti- |
| Regional Office concern will provide the necess directional drilling pr | sary information co | mcerning our antici | |
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| | *************************************** | DIVISION OF | |
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| | OIL, GAS | MANUA MINING | |
| | DATE | | |
| | BY: | A Alexander | |
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| 18. I hereby certify that the foregoing is t | rue and correct/ | 2 1 | |
| 20. I agreed terrain that the lovesting is | 1.1/4 | Ella Dane | lint (SC) 7/11/43 |
| SIGNED /// | TITLE A | with commen one | DATE |
| (This space for Federal or State office | use) | 16 | |
| (Zuis space 101 Federal of Source Omice | , | | |
| APPROVED BY | TITLE | | DATE |
| CONDITIONS OF APPROVAL, IF AN | ¥: | | |



Amoco Production Company P.O. Box 829 Evanston, WY 82930

July 6, 1983

State of Utah Division of Oil, Gas, and Mining 4241 State Office Building Salt Lake City, UT 84114

File: JEK-8-403/WF

Application for Permit to Drill - Water Permit Application - Moore Amoco "A" #1

In response to the recently enacted requirement that water be legally permitted prior to APD Approval, enclosed are copies of our applications for temporary change of point of diversion, place or purpose of use.

Upon approval, these applications will provide the eight acre feet, as required by the State Engineer's Office, for the wells drilled in the Chalk Creek Drainage. Upon receipt of the approved applications, copies will be forwarded to your office.

Your assistance in this matter is appreciated. If you have any questions, please contact Alan Hoki at (307) 789-1700 ext. 2256.

T. G. Doss

District Superintendent

AH/fah

Enclosures



DIVISION OF OIL. GAS & MINING



Amoco Production Company (USA)

Denver Region Amoco Building 17th & Broadway Denver, Colorado 80202 303 - 830-4040

July 14, 1983

Dr. G. A. Shirazi - Director (6) Utah Division of Oil, Gas and Mining 4241 State Office Building Salt Lake City, UT 84114

File: SWS-911-986.511

Application for Approval of Directional Drilling Moore-Amoco "A" No. 1 Section 16 - Township 3 North - Range 7 East Summit County, Utah

Amoco Production Company respectfully requests administrative approval for the directional drilling of the Moore-Amoco "A" No. 1, as provided in Rule C-8(i). This well is to be drilled as a wildcat test of the Nugget formation, with a projected TD of 14,500 ft. The directional drilling of this well is required due to topography. Enclosed, as part of this application, is a topographical map of this area as well as a well location-ownership plat.

Amoco Production Company, as operator of this well, proposes to directionally drill this well from a surface location 541' FSL and 1330' FWL of Section 16-T3N-R7E to a bottomhole location at approximately 1000' FSL and 600' FWL of Section 16-T3N-R7E, Summit County, Utah. Specifically, Amoco is requesting approval to allow us to directionally control the drilling of the Moore-Amoco "A" No. 1 to penetrate the Nugget formation in a target area which will be no closer than 500 ft. to any property or lease line or from the boundary of any legal subdivision comprising a governmental quarter-quarter section or equivalent lot or lots. The proposed bottomhole location is approximately 580 ft. to the west of Tract 5 and 1129 ft. to the south of Tract 4.

R. B. Giles Can

CAW/hl

Enclosures

OF UTAH DIVISION OF OIL, GAS, AND MINING DATE:

BY: _



- X SURFACE LOCATION
- O BOTTOM HOLE LOCATION

NOTE: FROM UPTON AND CASTLE ROCK QUADRANGLES PUBLISHED BY THE GEOLOGICAL SURVEY.

TOPOGRAPHY

AMOCO PRODUCTION COMPANY
DENVER REGION
SUMMIT CO., UTAH
Scale: 1" = 2000'

| ANSCHUTZ | AMOCO | CHAMPLIN | ANSO | СНИТХ |
|---------------|---|---------------------------|--------------|----------|
| 8 | TD 8309' | MPLIN 387 "B" NO. 1-A I 9 | | 0 |
| АМОСО СНАМР | LIN Tract 2 | Tract 1 | АМОСО | CHAMPLIN |
| | | | | |
| 17 ——— | Tract 4 Tract 5 | 16 | 1 | 5 |
| | MOORE— "A" N 541' FSI 1330' FW | 0. 1 | | |
| DECA DAVI | S AMOCO | CHAMPLIN | DA\ (Ansc | |
| CITIES | CITIES | | | AMOCO |
| SHELL 20 AMOC | 0 | 21 | 2 | 2 |
| AMOCO | | | | |

X SURFACE LOCATION

O BOTTOM HOLE LOCATION

- JUNKED AND ABANDONED

TWIN CREEK PRODUCER

OWNERSHIP PLAT

AMOCO PRODUCTION COMPANY DENVER REGION SUMMIT CO., UTAH

Scale: 1" = 2000'

WORKING INTEREST OWNERS SECTION 16 - TOWNSHIP 3 NORTH - RANGE 7 EAST SUMMIT COUNTY, UTAH

| Tract No. 1 | |
|--|--|
| Amoco Production Company | 100.0% |
| Tract No. 2 | |
| NW Exploration Trend Minerals Wexpro | 66.6% 16.7% 16.7% |
| Tract No. 3 | |
| Amoco Production Company Earl Peet - unleased Deann P. Lay - unleased Mozelle Ruark - unleased | 97.6% 0.8% 0.8% 0.8% |
| Tract No. 4 | |
| Amoco Production Company Earl Peet - unleased Deann P. Lay - unleased Mozelle Ruark - unleased | 97.6% 0.8% 0.8% 0.8% |
| Tract No. 5 | |
| Amoco Production Company Deca Mel Gustaveson - unleased Alfred Gustaveson - unleased Lucile G. Powell - unleased Affalone P. Caldwell Estate - unleased Carol Trands - unleased Rose N. Lee Estate - unleased Marvin Charles Nelson Estate - unleased Alleen N. Gentry Estate - unleased Alburn Nelson Estate - unleased Della N. White Estate - unleased Veloy N. Ashley - unleased Earl Peet - unleased Deann P. Lay - unleased Mozelle Ruark - unleased Marian M. Smith - unleased Fern M. Larsen Black - unleased Marie M. Bevan - unleased Dorothy M. Welde Barkow - unleased | 22.1% 26.2% 5.6% 5.6% 2.4% 16.7% 3.3% 0.3% 0.3% 0.3% 0.3% 0.3% 4.9% 4.9% 4.9% 0.4% 0.4% 0.4% |

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DEPARTMENT OF NATURAL RESOURCES

| DIVISION OF OIL, GAS, AND MINING | | | 5. LEASE DESIGNATION AND SERIAL NO. Fee | |
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| 2. NAME OF OPERATOR | | | 8. FARM OR LEASE NAM | 3 |
| Amoco Product | ion Company | | Moore-A | moco "A" |
| B. ADDRESS OF OPERATOR | | | 9. WELL NO. | |
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| 43-043-30236 | 8265' GR | | Summit | Utah |
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Effective immediately, please classify the subject well as a "Tight Hole"

with all information held confidential.

AUG 01 1983

DIVISION OF CIL GAS & MINIMO

TIGHT HOLE

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| 18. I hereby certify that the foregoing is true and correct SIGNED | Staff Admin. Analyst (SG) | 7-29-83 DATE |
| (This space for Federal or State office use) | | |
| APPROVED BY CONDITIONS OF APPROVAL, IF ANY: | TITLE | DATE |

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DEPARTMENT OF NATURAL RESOURCES

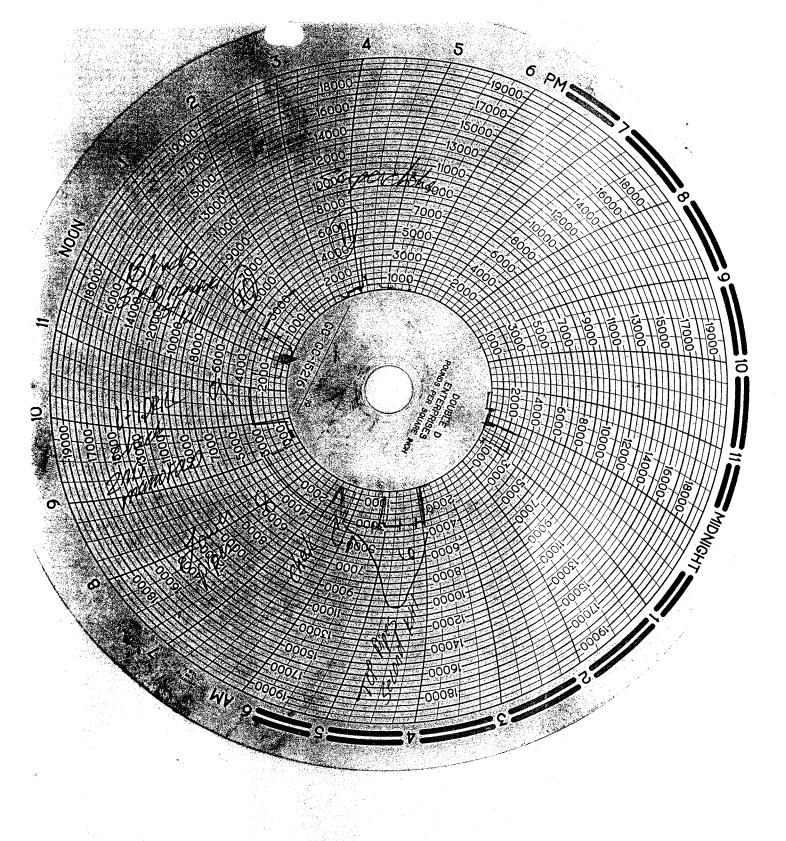
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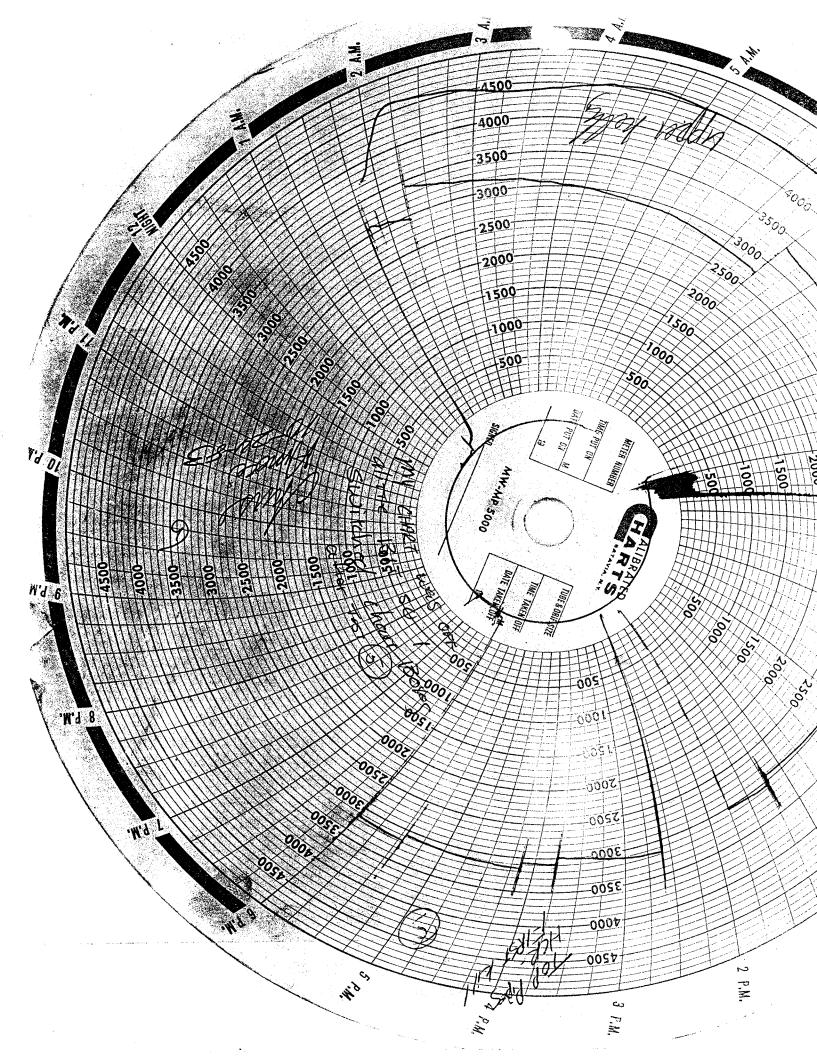
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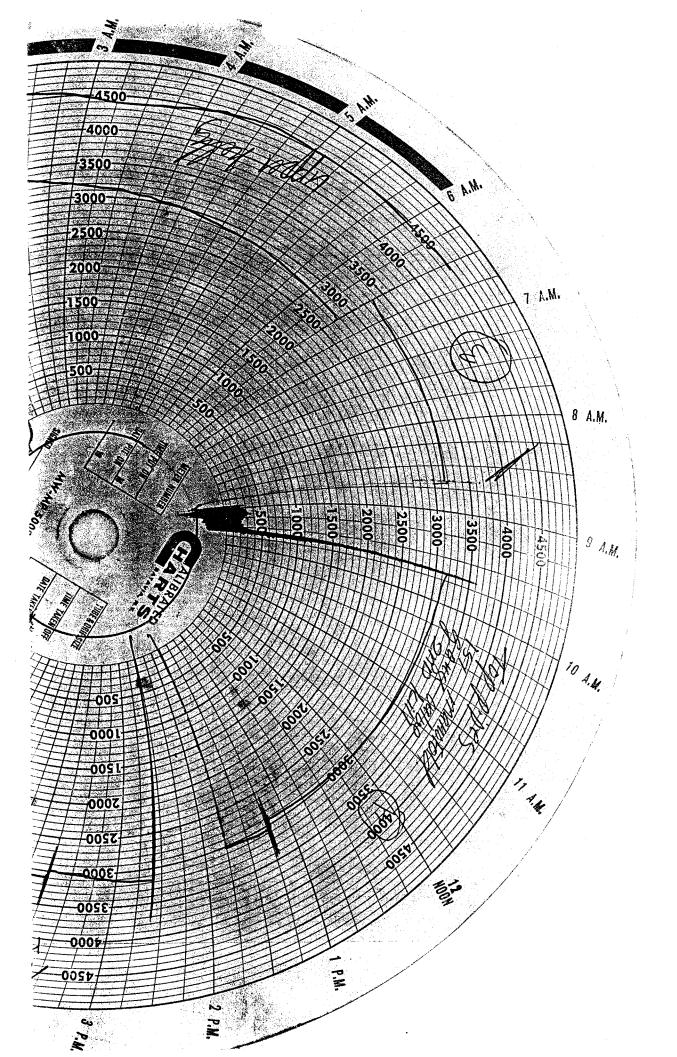
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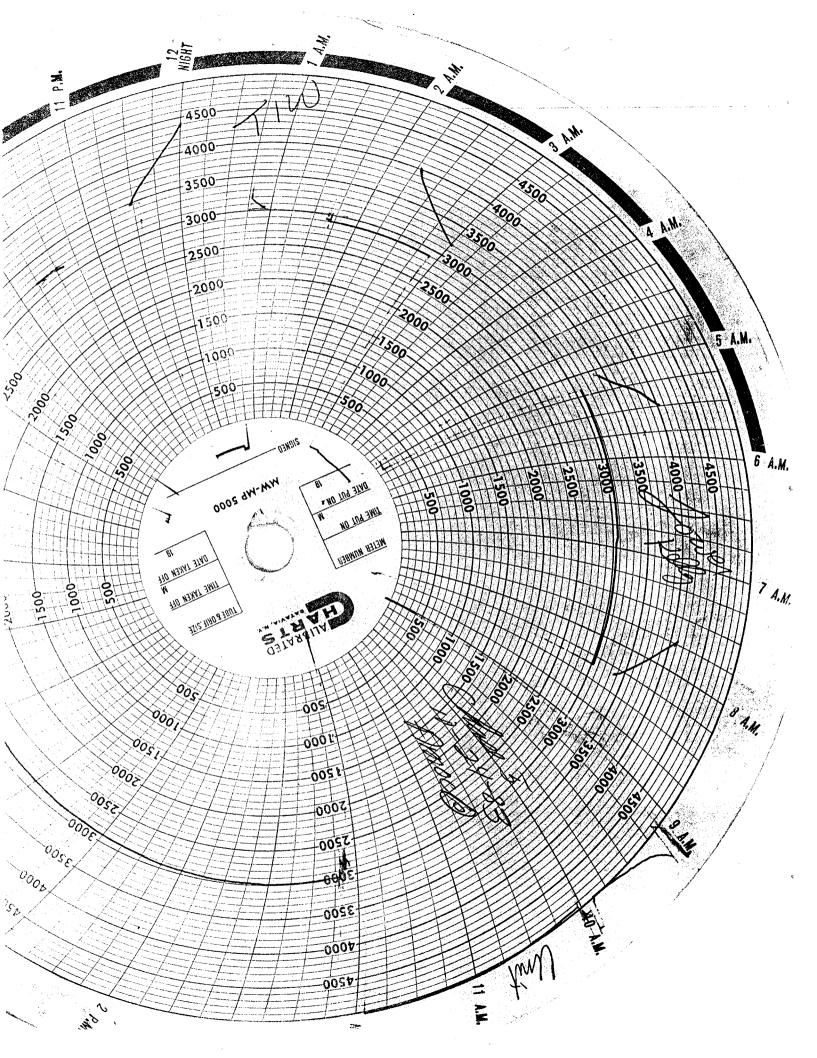
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| Date 10-22-83 Drilling shead Total Depth 10,015' DEGEOWED NOV - 7 1983 B. I hereby certify that he foregoing is true and correct SIGNED THE ST. Administrative Analyst (THE Space for Federal or State office use) APPROVED BY APPROVED BY APPROVED BY APPROVED BY CONNING OF APPROVAL IF ANY: DATE DATE DATE | nent to this work.) * | | and measured and time veri | 그 그 그 전경 그래 그리는 왜 리워병 그 휴요요. |
| Date 10-22-83 Drilling shead Total Depth 10,015' DEGEOWED NOV - 7 1983 B. I hereby certify that he foregoing is true and correct SIGNED THE ST. Administrative Analyst (THE Space for Federal or State office use) APPROVED BY APPROVED BY APPROVED BY APPROVED BY CONNING OF APPROVAL IF ANY: DATE DATE DATE | | | | |
| Drilling ahead Total Depth 10,015' DEGETVED NOV - 7 1983 DIV. OF OIL GAS & MINING B. I hereby certify the the foregoing is true and correct SIGNED (This space for Federal or State office use) APPROVED BY APPROVAL IF ANY: TITLE DATE DATE | Date 10-22-83 | | | |
| Total Depth 10,015 DEGETVED NOV - 7 1983 DIV. OF OIL, GAS & MINING SIGNED AND AND APPROVAL IF ANY: TITLE TITLE DATE DATE DATE | | | • | 그는 항상품경 그림 성임상품 수입다 |
| S. I hereby certify that the foregoing is true and correct SIGNED August State office use) APPROVED BY CONNENDED STATE APPROVAL IF ANY: TITLE DATE | • | 015' | | |
| B. I hereby certify that the foregoing is true and correct SIGNED CAMPAGE FOR State office use) APPROVED BY CONDITIONS OF APPROVAL, IF ANY: | - : | | | 化 化性量基準 化异氯甲基基基 |
| B. I hereby certify that the foregoing is true and correct SIGNED CAMPACIAN STATE (This space for Federal or State office use) APPROVED BY CONDUCTIONS OF APPROVAL, IF ANY: | : | | | |
| B. I hereby certify that the foregoing is true and correct SIGNED CAMPACIAN STATE (This space for Federal or State office use) APPROVED BY CONDUCTIONS OF APPROVAL, IF ANY: | | | | |
| 8. I hereby certify that the foregoing is true and correct SIGNED (This space for Federal or State office use) APPROVED BY CONDITIONS OF APPROVAL, IF ANY: | | | | |
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| 8. I hereby certify that the foregoing is true and correct SIGNED (This space for Federal or State office use) APPROVED BY CONDITIONS OF APPROVAL, IF ANY: | | | | |
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| 8. I hereby certify that the foregoing is true and correct SIGNED TITLE St. Administrative Analyst (Approved BY TITLE TITLE TITLE DATE ONDITIONS OF APPROVAL IF ANY: | | | <i>)</i>) | |
| 8. I hereby certify that the foregoing is true and correct SIGNED TITLE St. Administrative Analyst (Approved BY TITLE TITLE TITLE DATE ONDITIONS OF APPROVAL IF ANY: | • | | | |
| 8. I hereby certify that the foregoing is true and correct SIGNED TITLE St. Administrative Analyst (Approved BY TITLE TITLE TITLE DATE ONDITIONS OF APPROVAL IF ANY: | | DIV OF OIL, GAS & MININ | | |
| SIGNED ATTE St. Administrative Analyst (SG) DATE (This space for Federal or State office use) APPROVED BY TITLE DATE CONDITIONS OF APPROVAL IF ANY: | | 425 | | |
| SIGNED ATTE St. Administrative Analyst (SG) DATE (This space for Federal or State office use) APPROVED BY TITLE DATE CONDITIONS OF APPROVAL IF ANY: | R I hereby certify that the favore | ing is true and correct | | 100 |
| (This space for Federal or State office use) APPROVED BY TITLE DATE CONDITIONS OF APPROVAL IF ANY: | | | Adminiatmatira A1 | |
| APPROVED BY TITLE DATE | SIGNED () (ANA) | 7. SHALLS TITLE SE | • Auministrative Anal | Lysuspension |
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| CONDITIONS OF APPROVAL, IF ANY: | APPROVED RV | mirri a | | |
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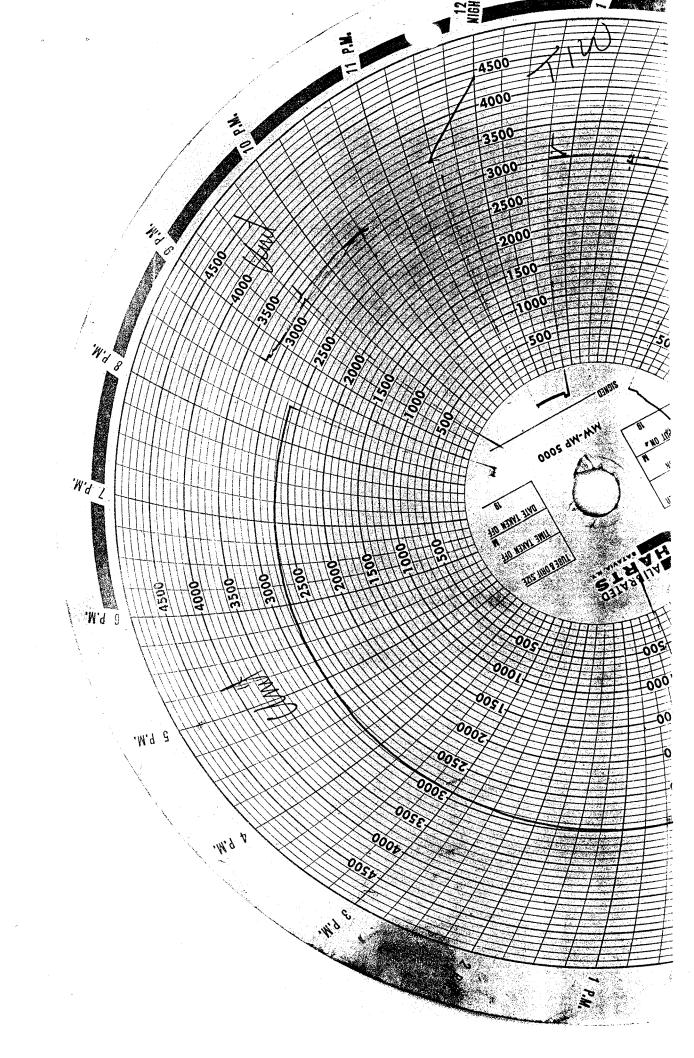
more Amaco Field Ly L Summit, Utah. | Well na. A# 1 API Na 16- T3N-R7E Ic.man goe Sourlock 1661 Time Results 0 1:48 - TIW VALUE TROUGH Kelly TOP Kelly lost Ran Two Trus MINUTE TEST ON it TOP Pipesof gauge valoe. - 2nd kill value pippling up & fixing booken koomen has TOP PIPES -HER - FIRST Kill valve 306 TOP Pipes - 4111 - Found Kill valie 5:30 had to pack air out a capte guy to but chack with with future it apart, 534 Fower Apres (NO GATS in that value but we put some in. HMML - CHECK

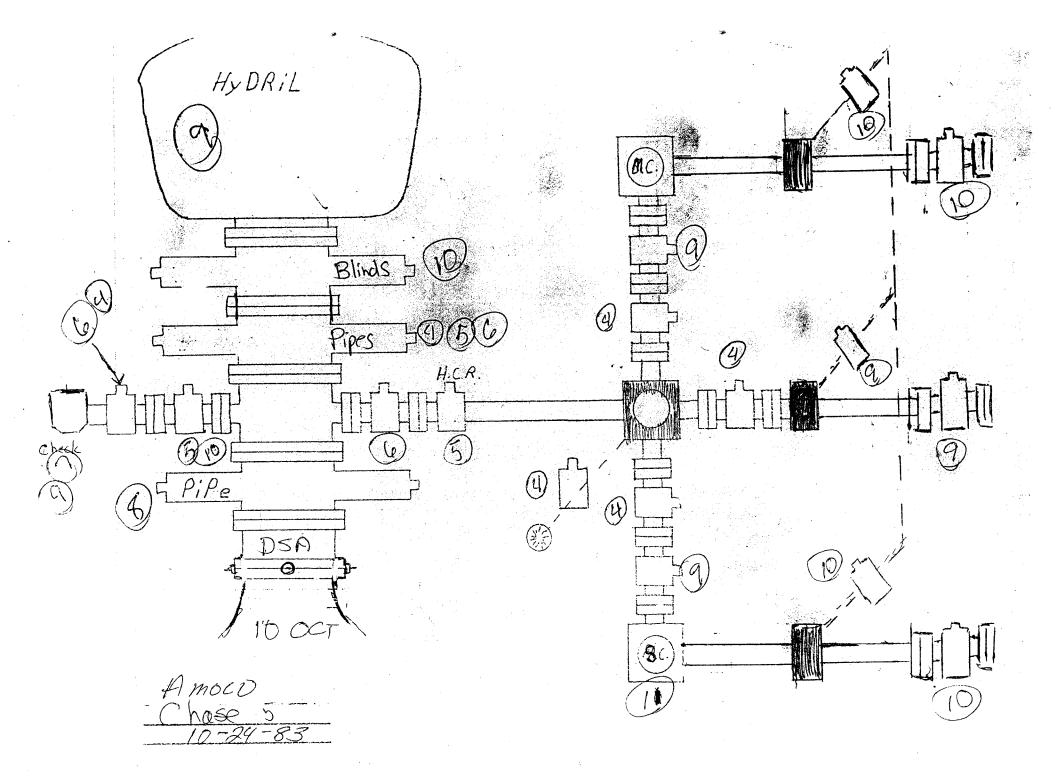












SUBM. IN TRIPLICATE* (Other instructions on reverse side)

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

| DIVISION OF OIL, GAS, AND MINING | | 5. LEASE DESIGNATION AND SERIAL NO. | |
|--------------------------------------|--|---|---------------------------------------|
| (Do not use this form for Use "A | NOTICES AND REPORTS ON WELLS proposals to drill or to deepen or plug back to a different reservoir. PPLICATION FOR PERMIT—" for such proposals.) | FEE 6. IF INDIAN, ALLOTTER | OR TRIBE NAME |
| OIL GAS X OTHER | | 7. UNIT AGREEMENT NAME | |
| Amoco Production (| Company | 8. FARM OR LEASE NAM Moore-Amoco "A | _ |
| 3. ADDRESS OF OPERATOR | | 9. WELL NO. | |
| P.O. Box 829, Evan | ston, WY 82930 | #1 | |
| See also space 17 below.) At surface | ation clearly and in accordance with any State requirements.* | Wildcat | WILDCAT |
| | | 11. SEC., T., R., M., OR B. SURVET OR ASSA | LE. AND |
| 541' FSL & 1330' | FWL | Sec. 16, T3N, | R7E |
| 14. PERMIT NO. | 15. BLEVATIONS (Show whether DF, RT, QR, etc.) | 12. COUNTY OR PARISH | 18. STATE |
| 43-043-30236 | 8265' GR | Summit | Utah |
| 16. Che | ck Appropriate Box To Indicate Nature of Notice, Report, o | r Other Data | · · · · · · · · · · · · · · · · · · · |

SHOUTING OR ACIDIZING ABANDON Report of Operations REPAIR WELL CHANGE PLANS (Norz: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) (Other) 17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

WATER SHUT-OFF

PRACTURE TREATMENT

Sept. 15, 1983

TRET WATER SEUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

NOTICE OF INTENTION TO:

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

Drilling ahead

Total depth 6445'



IIGHT

SUBSEQUENT ASPOST OF:

REPAIRING WELL

ALTERING CABING

ABANDON MENT®

DIVISION OF OIL GAS & MINING

| 8. I hereby certify that the foregoing is type and corpect | TITLE _Staff_Admin Analyst (SC) | DATE 9/23/83 |
|--|---------------------------------|--------------|
| (This space for Federal or State office use) | | |
| APPROVED BYCUMDIA. 'S OF APPROVAL, IF ANY: | TITLE | DATE |

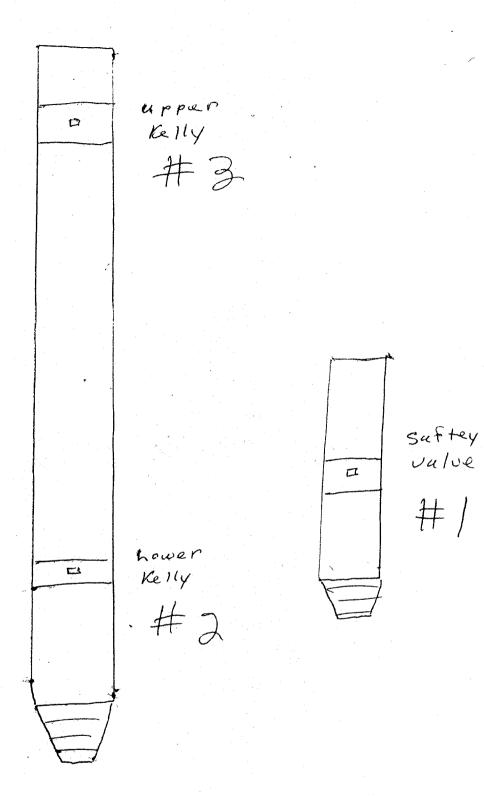
wtah M

DOUBLE "D" ENTERPRISES

B.O.P. Test Report

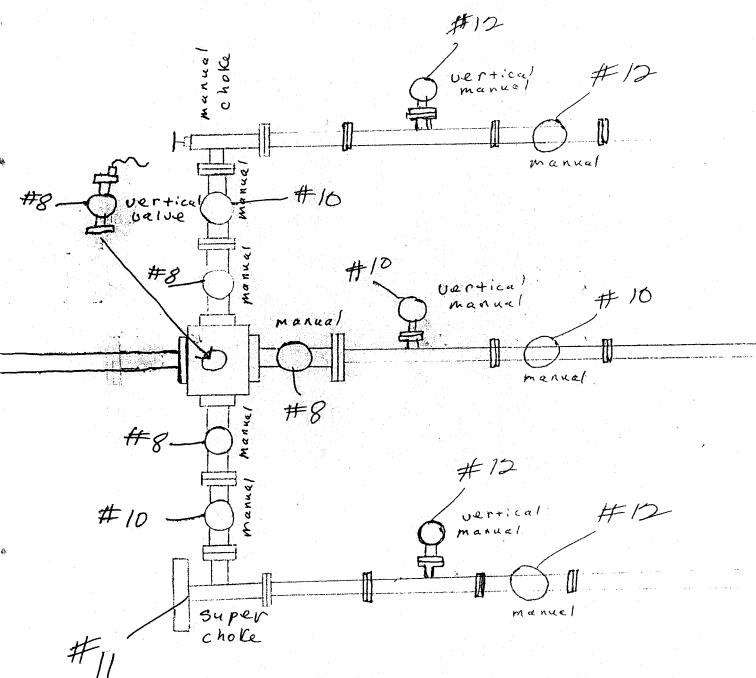
| 9 - 8 - 83 |
|--|
| B.O.P. TEST PERFORMED ON (DATE) |
| OIL CO: A MO CO |
| WELL NAME & NUMBER MOORE - A MORO # 1 |
| SECTION |
| 7-E |
| RANGE |
| COUNTY Summitt, Utah |
| DRILLING CONTRACTOR Chase #5 |
| INVOICES BILLED FROM: DOUBLE "D" ENTERPRISES, INC. 213 Pine Street - Box 560 Shoshoni, Wyoming 82649 Phone: (307) 876-2308 or (307) 876-2234 |
| TESTED BY: DOUBLE "D" ENTERPRISES, INC. 712 Morse Lee Street Evanston, Wyoming 82930 Phone: (307) 789-9213 or (307) 789-9214 |
| OIL CO. SITE REPRESENTATIVE JOE Scherlock & Jerry ADams |
| RIG TOOL PUSHER ENUIN Keyes |
| TESTED OUT OF EVANS TON |
| NOTIFIED PRIOR TO TEST: Utah OITE Gas |
| COPIES OF THIS TEST REPORT SENT COPIES TO: A moco 5. te Rep |
| Utah Dili Gas |
| |
| |
| ORIGINAL CHART & TEST REPORT ON FILE AT: Evanoton OFFICE |

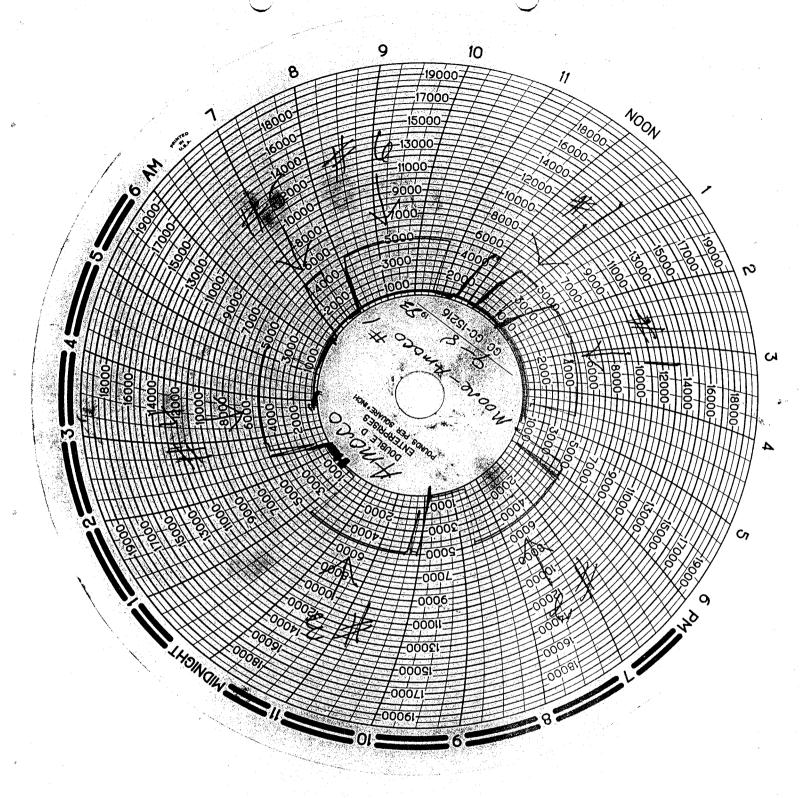
lime Explanation & Tests Explanation 2 AM - Arrived on hocation 2-AM-400 P.M. W/O Welder to weld ON HEAD & RICAN Ring grooves & put Together Spool & DSA.
4Pm -2 AM Stack ON & nipple up AM - 1200 NOON Fabricate Flow line & Fabricate & Replumb Koomey lines -12 5 pelly up & Rig up saftey value & Killy 54B -12 5 pelly up & Rig up sattly value & Saftey value 5000 15 min OK 2 hower Kelly 5000 15 min 3. Upper Kelly 5000 15 min NOTE During Kelly TREST WE chained Kelly Back to Rathole & Ran Plug & Filled Stack 15 #4 Lower pipes 5000 15 min OK +5 TesT Attempt ON Upper pipes ON Ram Doors BOTH of Them 130-200, Tighten Rum Doors 200-215 6Upper pipes 1st manual on Kill line 1st manual on choke line 5000 15 15-230 #7 Upper pipe 200 manual on Kill line HCR 5000 15 min OK 230 245 #8Upper Pipes : Vertical manafold value 1st 3 manafold values check value 5000 15 min OK 245-315 #9 WORK HXPril TRST (+XDril 1500 15 min OK 315-345 #10 Back out joint tie intomanafold to Fest Blinds Test Blinds 5000 15 min OK. 2ND4 manafolo values Retriever RUN & set, wear Ring
Rig Down Retriever & TOP SUB, Killy DOWN Rig DOWN Kelly 54B 3 549 tey 00_530 / Work on choke panel test super choke 5000 15 min OK #12 530-545 Test Back 4 managold 15 min OK 11a/ves 5000 530-630 PrainED manafold & Chake line closed & Alliened Nakes correctly ¿ Rig DOWN- ¿ Spool up

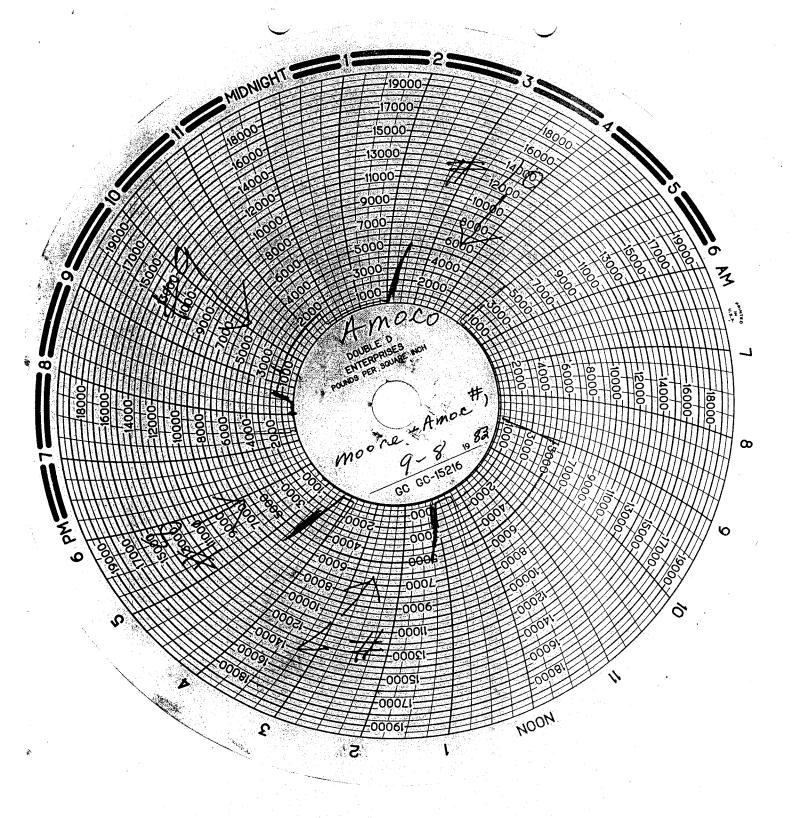


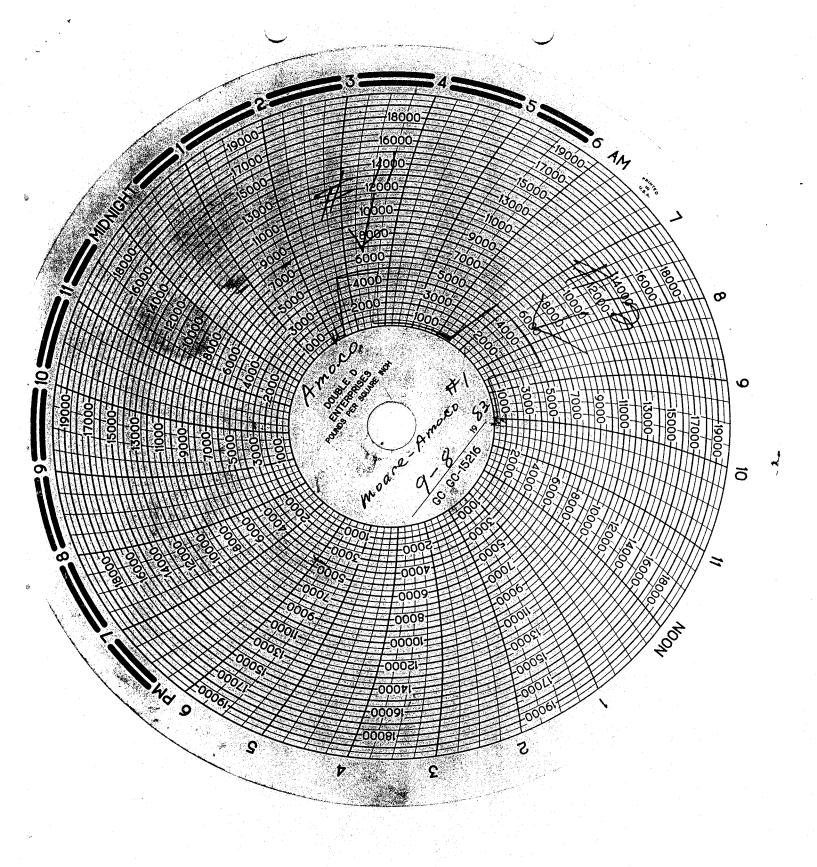
Hydril #10 Blind Roms Top Pipe Rams 46 Bottom Pipe Roms 5 pool 1211

to 1-18











Amoco Production Company

Denver Region 1670 Broadway P.O. Box 800 Denver, Colorado 80201 303 -830-4040

November 30, 1983

Dr. Dianne R. Nielson - Director (6) Utah Division of Oil, Gas and Mining 4241 State Office Building Salt Lake City, Utah 84114

File: RBG-8-986.511

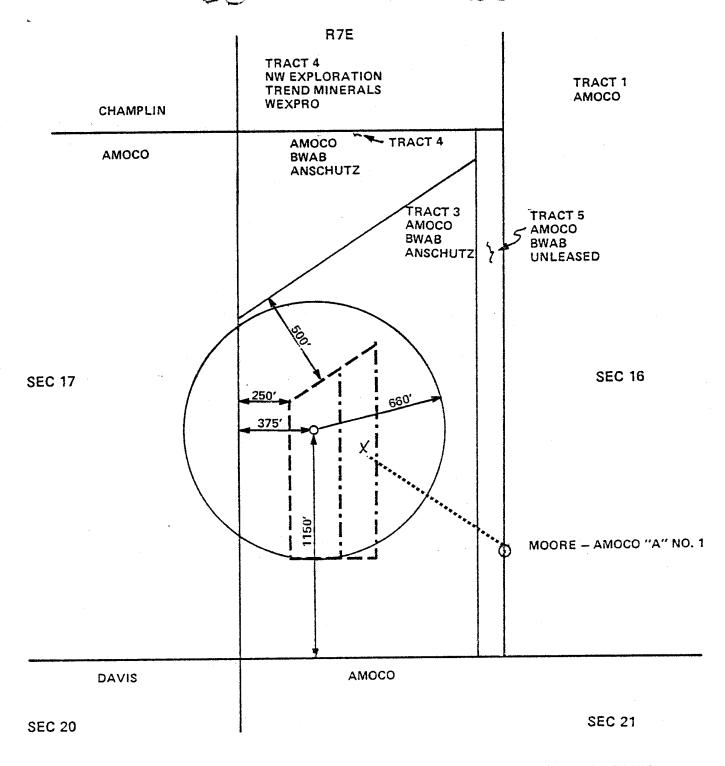
Application for Well Location Exception Moore - Amoco "A" No. 1 Section 16-Township 3 North - Range 7 East Summit County, Utah APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MININGS

DATE: __

Amoco Production Company hereby makes application for a well location exception for the Moore-Amoco "A" No. 1, pursuant to Rule C-3(c). Specifically, Amoco is requesting approval to locate this well within a target area which will be no closer than 250 ft. from the West line of Section 16-T3N-R7E nor any closer than 500 ft. to any other property or lease line, as shown on the attached Well location and Ownership Plat. Amoco Production Company is the only owner within the SE/4 of Section 17-T3N-R7E, towards which the well will be moving.

The Moore-Amoco "A" No. 1 was approved as a directionally controlled 14,500 ft. wildcat Nugget test in July 1983 with a surface location of 541' FSL and 1330' FWL of Section 16-T3N-R7E and an approximate bottomhole location of 1000' FSL and 600' FWL of Section 16-T3N-R7E. Specifically, approval was given to penetrate the Nugget formation in a target area which was to be no closer than 500 ft. to any property or lease line or from the boundary of any legal subdivisions comprising a governmental quarter-quarter section or equivalent lot ot lots. The Moore-Amoco "A" No. 1 was spudded on July 27, 1983 and has reached a TD of 11,939 ft. as of November 28, 1983. The bottomhole location at this depth is 630' FWL and 1050' FSL of Section 16-T3N-R7E, which is within the currently approved target area. The Nugget formation was encountered at an approximate depth of 11,670 ft. Based on the geologic information gathered by the drilling of this well, it is now Amoco's opinion that a repeat Nugget section may be encountered by this well. In order to provide for the optimal chance of success and to minimize drilling costs by utilizing established natural drift, this well should be permitted to TD within a target area which is no closer than 250 ft. from the West line of Section 16-T3N-R7E nor closer than 500 ft. to any property or lease line. Our projected bottomhole location is approximately





- SURFACE LOCATION
 1330' FWL & 541' FSL
- CURRENT BOTTOM HOLE LOCATION 630' FWL & 1050' FSL
- O PROPOSED BOTTOMHOLE LOCATION 375' FWL & 1150L
- CURRENT APPROVED BOTTOMHOLE TARGET AREA
- PROPOSED BOTTOMHOLE
 TARGET AREA

AMOCO PRODUCTION COMPANY
DENVER REGION
WELL LOCATION AND OWNERSHIP PLAT
SUMMIT COUNTY, UTAH
SCALE: 1" = 500'

Dianne R. Nielson Page 2

375' FWL and 1150' FSL of Section 16-T3N-R7E.

A copy of this application has been sent to BWAB, Inc. and Anschutz Corp. the only other owners within Tract No. 3.

R. B. Giles

CAW/sma

cc: BWAB, Inc.

7935 E. Prentice Ave. Englewood, CO 80111

Anschutz Corp.

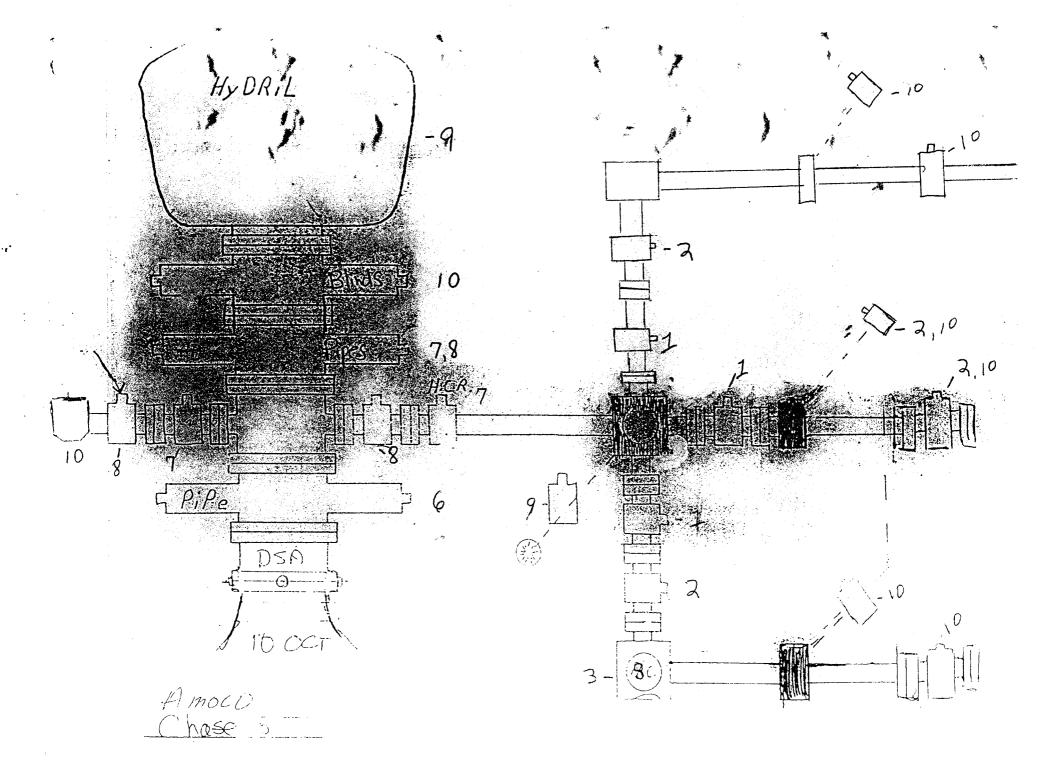
555 17th St. Suite 2400

Denver, CO 80202

DOUBLE "D" ENTERPRISES

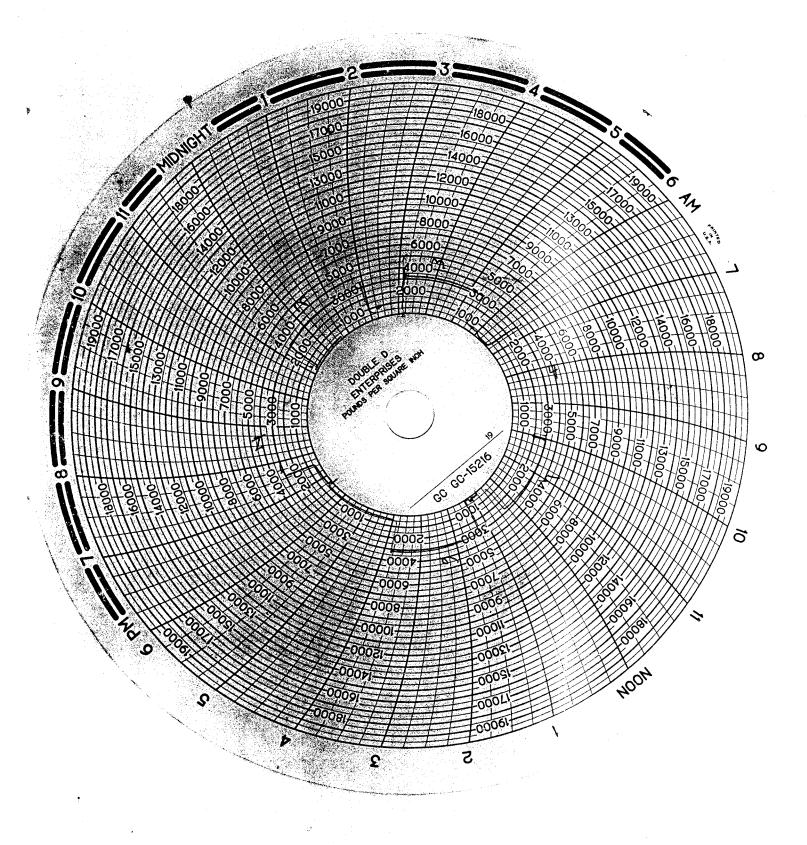
B.O.P. Test Report

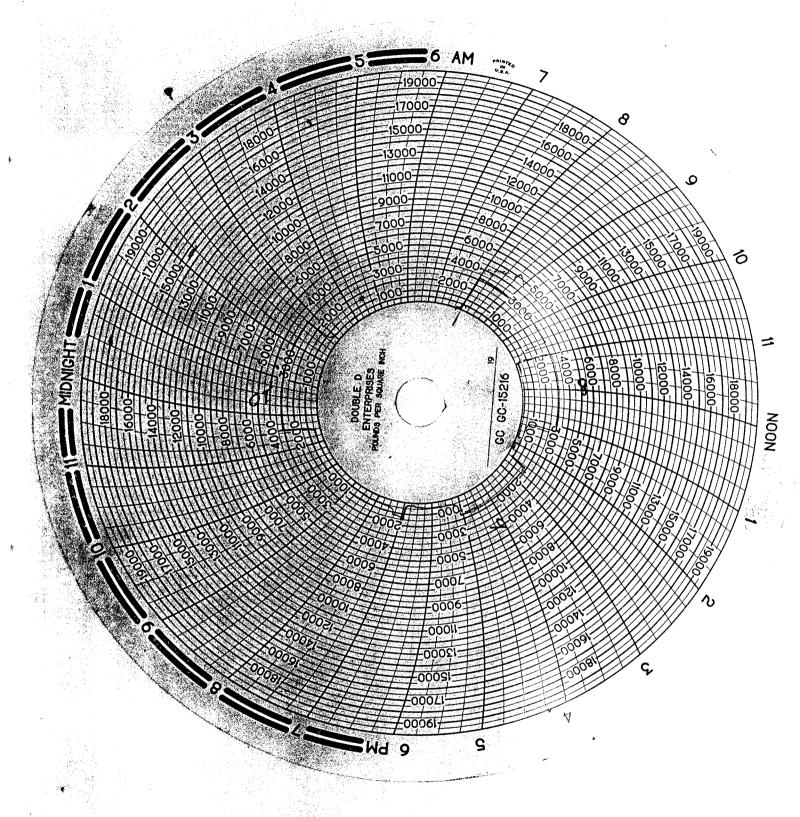
| B.O.P. TEST PERFORMED ON (DATE) |
|--|
| *OIL CO.: Am.o.c.0. |
| WELL NAME & NUMBER MOORE Amoco A-1 |
| SECTION |
| TOWNSHIP. 3 N |
| RANGE. 7 \mathcal{E} |
| COUNTY Summitt UTAH |
| DRILLING CONTRACTOR Chase 3 |
| INVOICES BILLED FROM: DOUBLE "D" ENTERPRISES, INC. 213 Pine Street - Box 560 Shoshoni, Wyoming 82649 Phone: (307) 876-2308 or (307) 876-2234 |
| TESTED BY: DOUBLE "D" ENTERPRISES, INC. 712 Morse Lee Street Evanston, Wyoming 82930 Phone: (307) 789-9213 or (307) 789-9214 |
| OIL CO. SITE REPRESENTATIVE BUY Abbums |
| RIG TOOL PUSHER |
| TESTED OUT OF |
| NOTIFIED PRIOR TO TEST: UTAH D: \4 & S |
| COPIES OF THIS TEST REPORT SENT COPIES TO: A MOCO SITE REP |
| |
| |
| ORIGINAL CHART & TEST REPORT ON FILE AT: Evansion OFFICE |



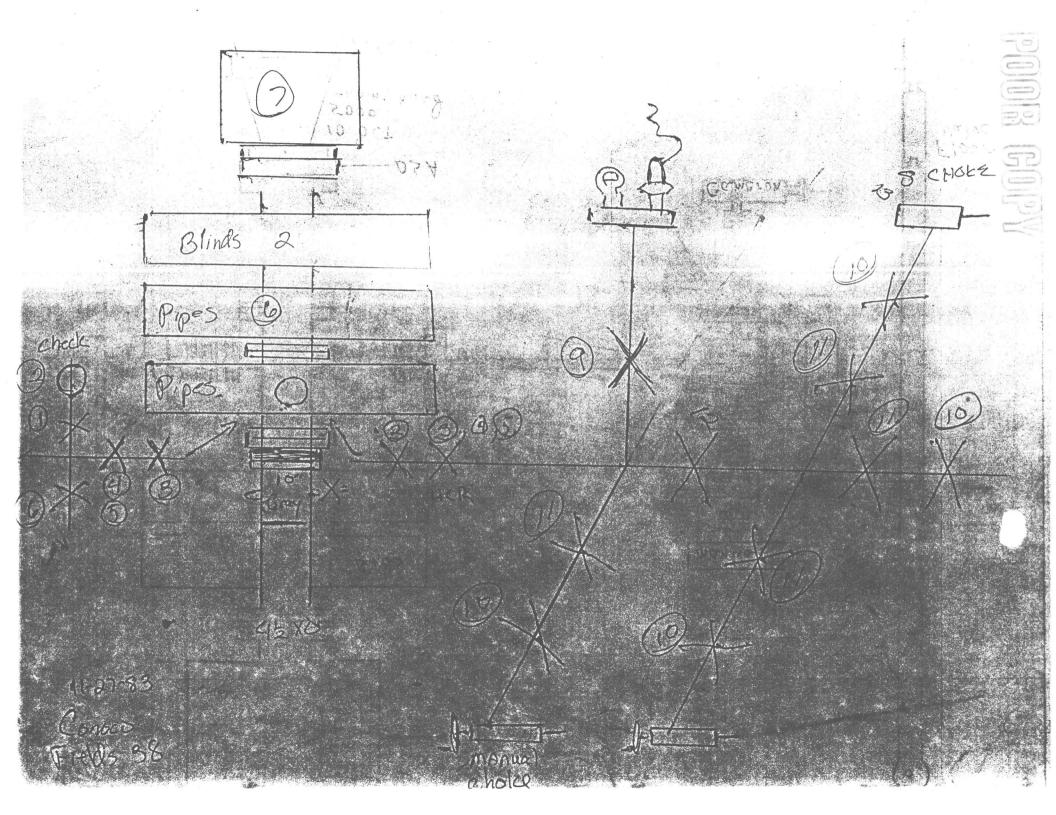
1:25 On Location rigging up 1. 2:00-2:15 testinside 3 manuals in manifold 2. 7:17.3:32 test 3 manuals in manifold 3. 2:35.2:50 test comeron superchoke (Lost 200 psiin tast 7 mins of test wait to get out of hole. teiedtotest TIW value no test (notified Wogne the pusher is getting replacement parts) 4 4:20-4:35 test Lower Xelly 5 4:45.5:00 test Upper Kelly (Kelly valuestiff needs to be worked more often) 6.5:05-5:20 test Lower pipe rams 7 5:22-5:37 heuchant test top piperam, inside manual on Kill line, HCR value on chokeline 85:38-552 test top pipe rams, Secondmanual on Kill 4 inchmanual on choke line 9:558-6:13 test Hydrilisecond manual on Kill line, vertical riser on manifold 10 625-640 test Blind rams, check value on Kill line, six out side manuals on manifold 6:55-7:30 Set wear ring, shut casinghead value filled chake line with metheral

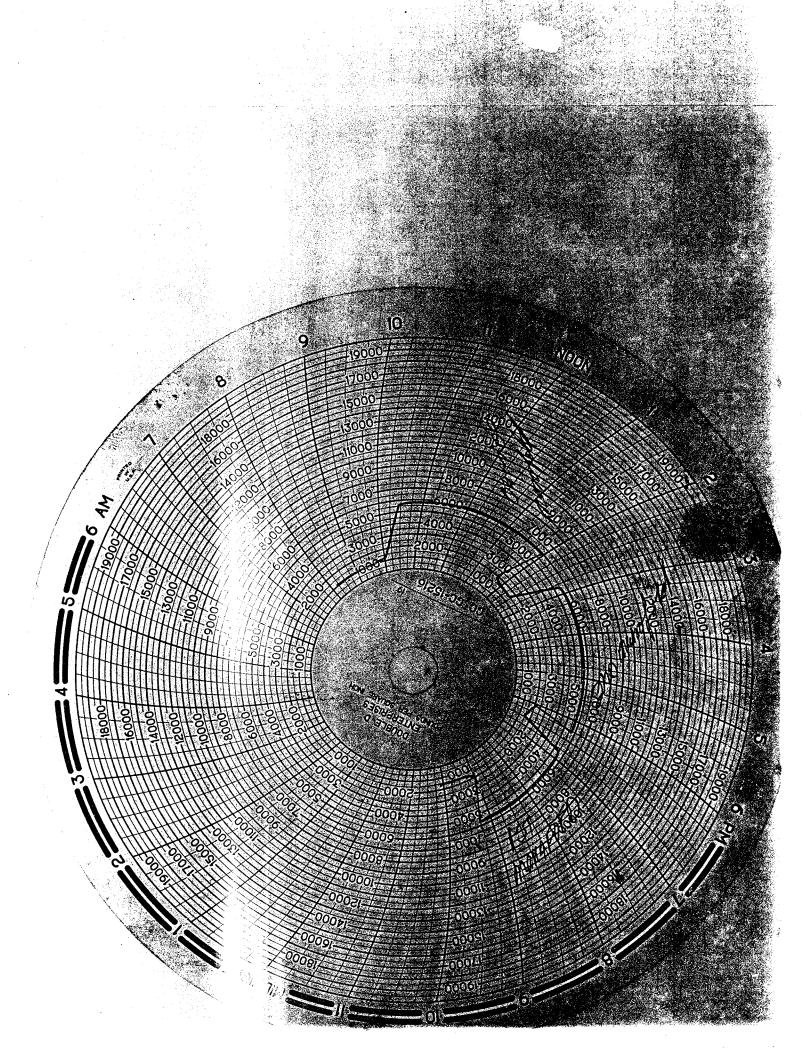
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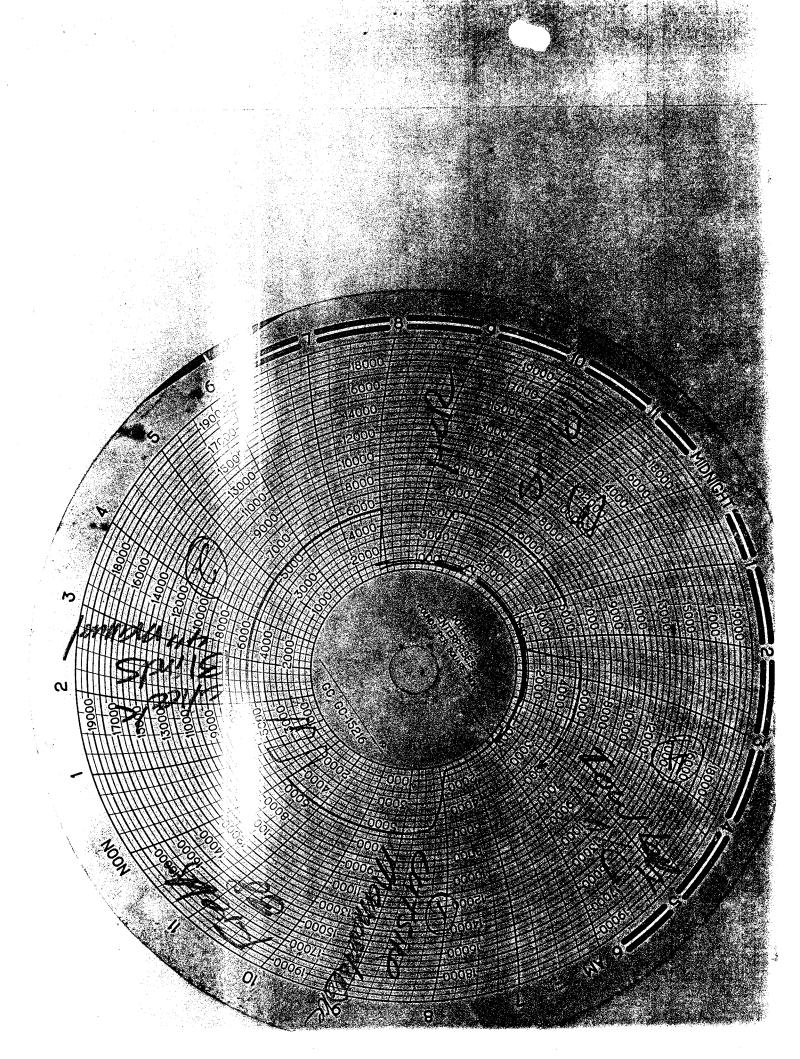


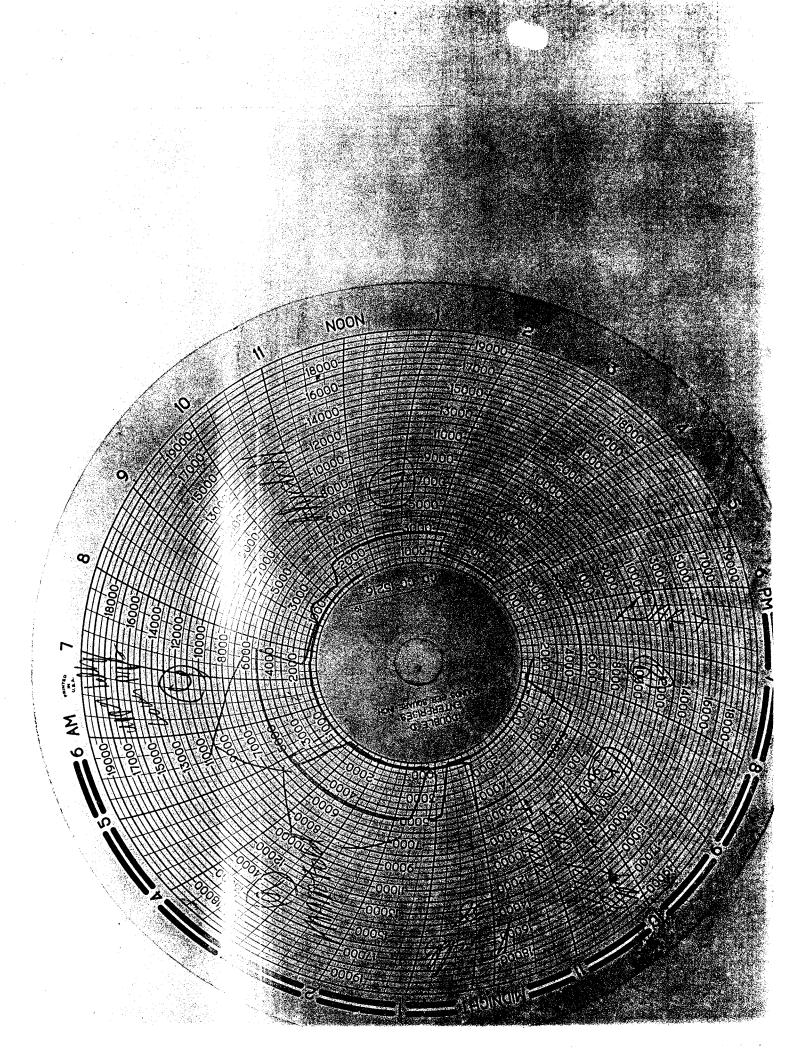


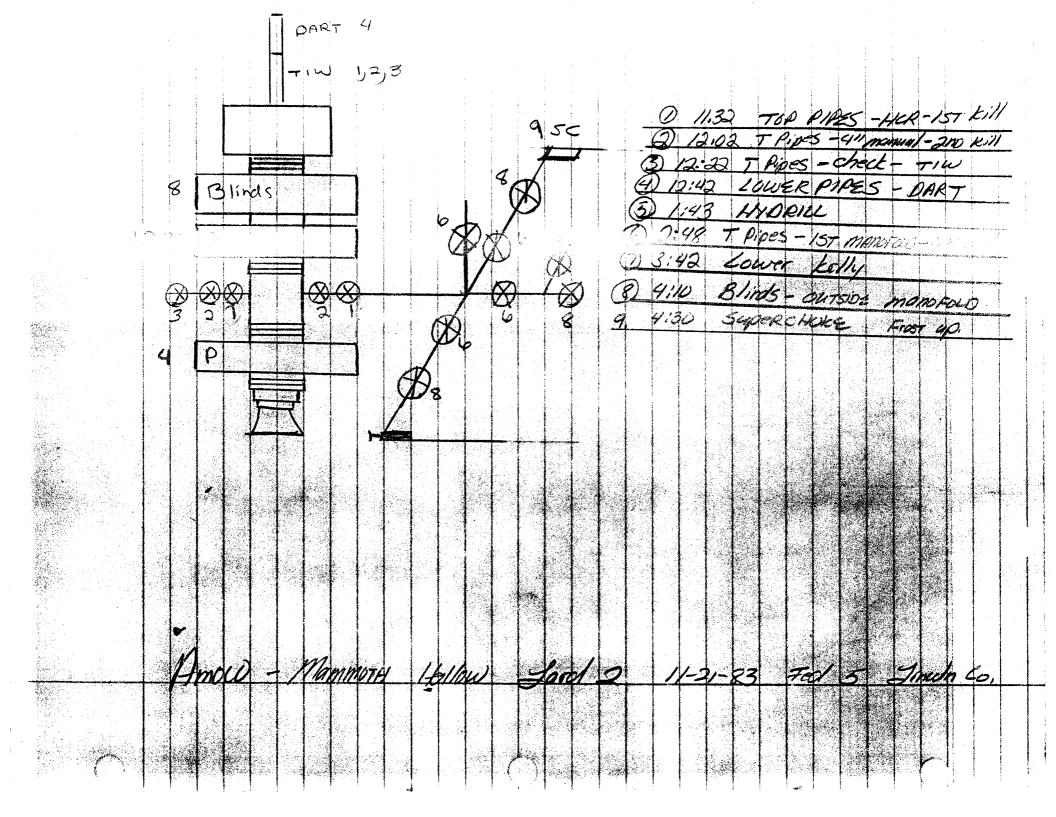
Intole -4 16 0 11-27-83 Sight and an arrange of the line 1. Low 15 off that calle - 21 manual on choke 5102 1901 Aus 75 BE Minually Shut - 18.107. Type page 482/57/41/ 10/10 = 7.1W, 2129 July 168 = 2mo Kill plea - Lower Colly 1 13 1 Sunt por half to work lover folly 1 10 Monn hely Show Pipes - 340 Will walve 1900 hours to worth on welder to The Malletine will applied the De Mosses Marchelle La Maria Com DE 255 Secretarion Suite Timoria Illa Secretario SIJO SUU MAAAALA 2) 333 (6) mmodelel. Super lake won't operate, A strong to see struct and the structure of the structure Trimes some some set 5 mes working the Alexander Malley Contraction (a) for welder The Separate Service Miles

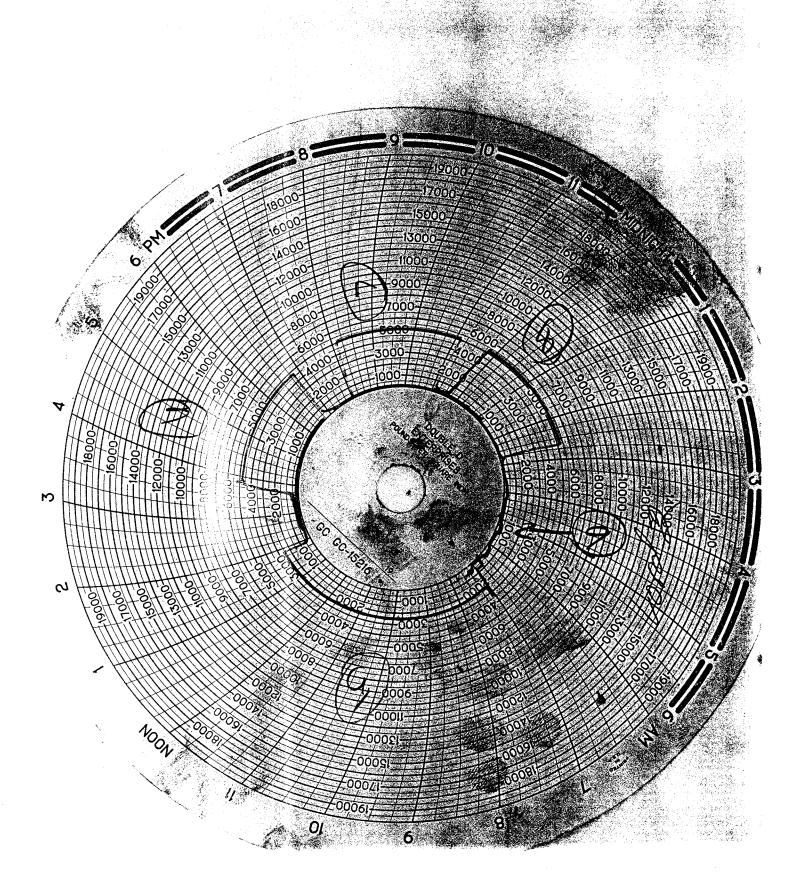


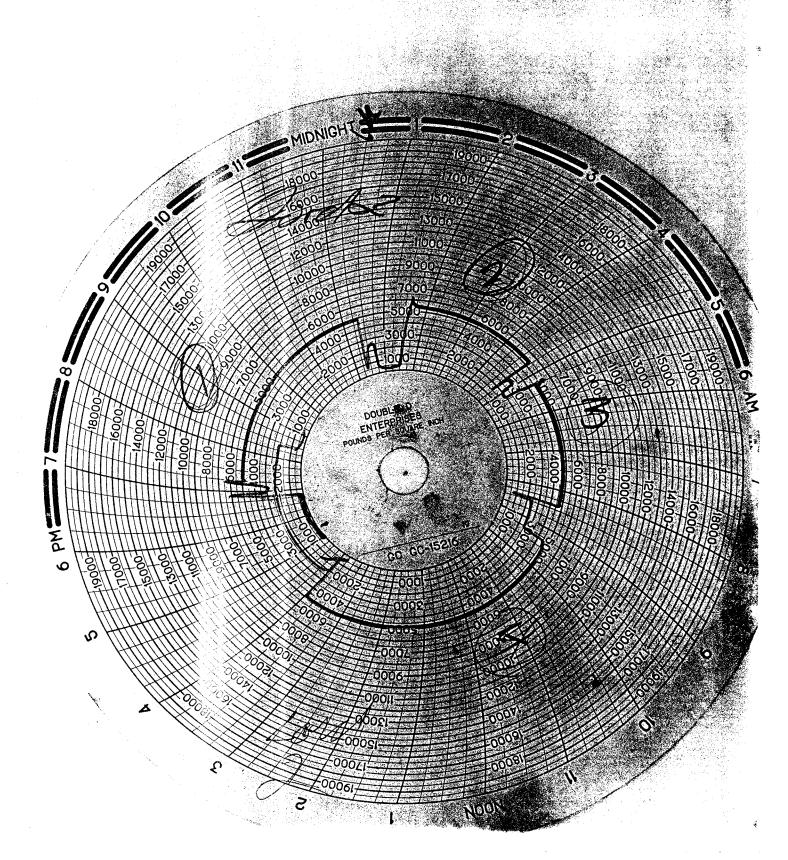


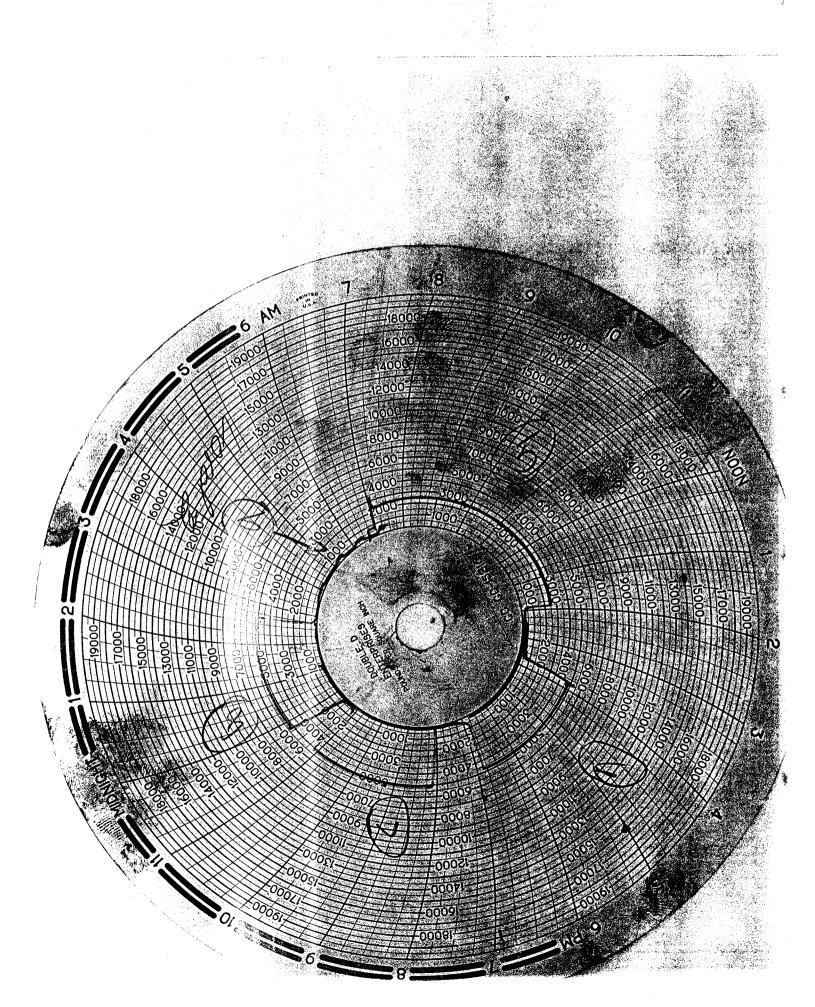












STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

SUBMIT FRIPLICATE*
(Other instructions on reverse side)

| SUNDRY NO | nston, WY 82930 | ON WELLS | Fee 6. IF INDIAN, ALLOTTI 7. UNIT AGREEMENT N 8. FARM OR LEASE NA | |
|---|---|---|---|-------------|
| OIL GAS WELL OTHER NAME OF OPERATOR AMOCO Production (ADDRESS OF OPERATOR P.O. Box 829, Evan Location of Well (Report location See also space 17 below.) At surface | Company Cation, WY 82950 | ON WELLS back to a different reservoir. | 7. UNIT AGREEMENT N | |
| Amoco Production (ADDRESS OF OPERATOR P.O. Box 829, Evan Location of Well (Report location see also space 17 below.) | nston, WY 82930 | MENVER | | IAMB |
| Amoco Production (ADDRESS OF OPERATOR P.O. Box 829, Evan Location of Well (Report location See also space 17 below.) At surface | nston, WY 82930 | MENVIEW | 8. PARM OR LEASE NA | |
| P.O. Box 829, Evan Location of well (Report location See also space 17 below.) | nston, WY 82930 | | O. FARM OR LEASE NA | V= |
| P.O. Box 829, Evan Location of well (Report location See also space 17 below.) | nston, WY 82930 | | Moore Amoco | |
| At surface | nston, WY 82930 | Cas Virginia | 9. WELL NO. | A |
| At surface | | | #1 | |
| | | y State requirements. | 10. FIELD AND POOL, (| OR WILDCAT |
| 141 P31. A 13311 HW. | | | Wildcat | BLE AND |
| 241 10D @ 1330 FWD | | DIVISION OF | 11. SEC., T., R., M., OR SURVEY OR AREA | A . |
| | · · | | Sec. 16. T3 | N R7E |
| . PERMIT NO. | 15. BLEVATIONS (Show whether D | OF, RT, GR, etc.) | Sec. 16, T3 | H 18. STATE |
| 43-043-30236 | 8265' GR | | Summit | Utah |
| Check A | ppropriate Box To Indicate 1 | Nature of Notice, Report, or C | Other Data | |
| NOTICE OF INTE | | • | UENT REPORT OF: | |
| TEST WATER SHUT-OFF | PULL OR ALTER CASING | WATER SHUT-OFF | REPAIRING | WELL |
| FRACTURE TREAT | MULTIPLE COMPLETE | FRACTURE TREATMENT | ALTERING C | ASING |
| | ABANDON* | SHOOTING OR ACIDIZING | ABANDONME | NT* |
| (Other) | CHANGE PLANS | (Other) <u>Report of</u> (Note: Report results | Operations of multiple completion | on Well |
| DESCRIBE PROPOSED OR COMPLETED OPP proposed work. If well is direction nent to this work.) * | ERATIONS (Clearly State all porting) | Completion or Recompl | of multiple completion etion Report and Log for | rm.) |
| Spud Date TD | 12-27-83 07-27-83 12891' Chase 5 | | | |
| I hereby certify that the foregoing is | s trae and correct | | | |
| SIGNED JULY J. | | ff Admin. Analyst (SG |) DATE 12-3 | 0-83 |
| (This space for Federal or State office | ce use) | | | |

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL GAS AND MINING

SUBMI RIPLICATE*
(Oth reverse side)

| С | DIVISION OF OIL, GAS | S, AND MINI | VG | J. DEAGE DESIGNAT | ON AND BERIAD NO. |
|---|--|--|---|--|--------------------------|
| SUNDRY (Do not use this form for | NOTICES AND RE | PORTS ON | N WELLS | 6. IF INDIAN, ALLO | TTEE OR TRIBE NAME |
| | proposals to drill or to dee PPLICATION FOR PERMIT- | " for such propo | osals.) | 7. UNIT AGREEMENT | WAMB |
| 1. OIL GAS | | | | 7. UNIT AGREEMENT | : NAMB |
| WELL WELL X 02 | THER | | | 8. FARM OR LEASE | NAME |
| Amoco Production | Company | | | Moore Amoco | A |
| 3. ADDRESS OF OPERATOR | | | | 9. WELL NO. | |
| P.O. Box 829, E | vanston, WY 8293 | 5.0 | | #1 | : |
| 4. LOCATION OF WELL (Report location See also space 17 below.) | cation clearly and in accorda | nce with any Sta | ite requirements.* | 10. PIELD AND POOL | , OR WILDCAT |
| At surface | | | | Wildcat | OR BLE. AND |
| E/11 TOT 6 100 | O. P.T. | | | BURVEY OR A | RDA |
| 541' FSL & 133 | O, LMT | | * * | Sec. 16, | ГЗN, R7E |
| 14. PERMIT NO. | 15. BLEVATIONS (Sh | now whether DF, RT | , GR, etc.) | 12. COUNTY OR PAS | |
| 43-043-30236 | 8265' GR | . | | Summit | Utah |
| | el Annianista Roy Ta | Indicate Nat | ure of Notice, Report, or | Other Data | |
| · · | ECK Appropriate box 10 | ingresis (1991) | | EQUENT REPORT OF: | |
| NOTICE O | FINTENTION TO. | | | | NG WELL |
| TEST WATER SHUT-OFF | PULL OR ALTER CASIN | | WATER SHUT-OFF FRACTURE TREATMENT | | G CABING |
| FRACTURE TREAT | MULTIPLE COMPLETE | | SHOOTING OR ACIDIZING | ABANDON | 1 |
| SHOOT OR ACIDIZE | ABANDON* CHANGE PLANS | | (Other) Side trac | cking | x |
| (Other) | j curios i somo | | (Nome . Deport rest | ilts of multiple complet mpletion Report and Lo | lon on Well L. form.) |
| 17. DESCRIBE PROPOSED OR COMPLE proposed work. If well is nent to this work.) Plugback from 1190 (fish | 9 '- 11400 ' | | Marie de Carlos | JAN 10 | |
| (The Nugget top is | | 10 500 + | o 10 200' and side | Division Langas | |
| We will then set a | kickoff plug at | 10,500 6 | 0 10,200 and Sid | c gradk from c | nac pozziov |
| Verbal from Ron Fi | rth 12/30/83 at | t 3:40 pm. | | | |
| D | APPROVED BY THE OF UTAH DIVIS OIL, GAS, AND ATE: | SION OF | | | |
| 18. I hereby certify that the for | uban | TITLE Staf | f Admin. Analyst | (SG) DATE _/ | 1-6-84 |
| (This space for Federal or S | State office use) | | | | |
| APPROVED BY | AL, IF ANY: | TITLE | | DATE | |

STATE OF UTAH DIVISION OF OIL, GAS AND MINING

BLOW OUT PREVENTION TEST

| NAME OF CO | MPANY: AMOCO PR | ODUCTION COM | MPANY | | . ! | |
|------------|-------------------|--------------|-------|-----------|--------|---|
| WELL NAME: | MOORE-AM | OCO A #1 | | | | |
| SECTION: S | wsw 16_TOWNSHIP3N | RANGE | 7E | _COUNTY:_ | SUMMIT | |
| | ONTRACTOR: | | | | • | <u>- </u> |
| | | | | - | - | |
| RIG # | | | | | | |
| BOP TEST: | DATE: 1-8-84 | | | | | |
| • | TIME: 10:00 AM | | | | | • |
| | DRILLING: | | | | , | |
| | CASING: | | | | | |
| | CASING: | · | | - | | |
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| REDURTED : | BY: | | | | | |
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| TELERHUNE | . HU. | | | | | |
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| DATE: | 1-10-84 | SIG | NED | AS | | |

CONFIDENTIAL

BLOW OUT PREVENTION TEST

| | | | county:_ | SUMMIT |
|------------|-------------------|-------|----------|--------|
| | ONTRACTOR:CHAS | - | : | |
| RIG #5 | | | | • |
| | DATE: 3-20-84 | · · | | |
| | TIME: 12:00 AM | · · · | | |
| | DRILLING: | ··· · | | |
| | CASING: | | | |
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| REPORTED E | SY: ART MACLEAN | | | |
| | NO. 801 336-2011 | | | |
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Mooks Amoro A ! amoro 3-29-84 Mose - (moto A #) 16-3N, 2E, summit Plugging orders discussed with Iom no Kay 9 \$ 13 \$ 150 SURFACE PLUG & SQUEEZE KICKOFFLUG 10,500. FISH TOP PLUG 11,909-NOUSET-11,670 ANKAREH -12,836 THAYNES - 14,109 TD - 15,047 To abnormal preserves, no 4,0 or 4,5, no shows, some lost circulation in nugget, lement tops not available. Hole sloughing of at 12,100 and they are concerned about getting stuck if they try to plug below that depth.

More - amoro A #1

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DEPARTMENT OF NATURAL RESOURCES Fee DIVISION OF OIL, GAS, AND MINING 5. LEASE DESIGNATION AND SERIAL П 6. IF INDIAN, ALLOTTEE OR TRIBE NAME WELL COMPLETION OR RECOMPLETION REPORT AND LOG* 1a. TYPE OF WELL: WELL GAS WELL DRY X 7. UNIT AGREEMENT NAME Other b. TYPE OF COMPLETION: Amoco WORK OVER DEEP-DIFF. RESVR. OtherPlug & Abandon S. FARM OR LEASE NAME 2. NAME OF OPERATOR Moore Amoco Amoco Production Company 9. WELL NO. 3. ADDRESS OF OPERATOR A#1 P.O. Box 829 82930 Evanston, WY 10. FIELD AND POOL, OR WILDCAT 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) Wildcat At surface Sec. 16, T3N, R7E 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA At top prod. interval reported below 1330' FWL, 541 FSL At 北海南京学 Sec. 16, T3N, R7E 14,807 1370.75' FSL & 9418' FWL14. PERMIT NO. 12. COUNTY OR PARISH 13. STATE DATE ISSUED 07/14/83 43-043-30236 Summit 15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 19. ELEV. CASINGHEAD 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 3-27-84 7-20-83 KB 8257' GL 8231' 20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., 23. INTERVALS ROTARY TOOLS CABLE TOOLS HOW MANY* DRILLED BY 15047 MD-14924 TVD 0-15.047 24. PRODUCING INTERVAL(S), OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)* WAS DIRECTIONAL SURVEY MADE None Partial 26. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORED FDC/CNL, Dipmeter, Gr Sonio CAS CASING SIZE WEIGHT, LB./FT. DEPTH S NT PULLED 20 106.5# 0 13-3/8 72#.61#.68# 6056 62.8.53 0 5/8-9 7/8 43.5# LINER RECORI SIZE TOP (MD) BOTTOM (MD) R SET (MD) 31. PERFORATION RECORD (Interval, size and number) TC. 1050556 33 DA içing or DA WITH IKE NORWOOD PLO PI (CORR.) 34. Jurf 1330 SWLOSH FSL BHL 0095 FWL 1363 FS(36.

STATE C. UTAH **DEPARTMENT OF NATURAL RESOURCES** DIVISION OF OIL, GAS, AND MINING

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| DIVISION OF OIL, GAS, AND MINING | 5. LEASE DESIGNATION AND SERIAL N |
|---|---|
| WELL COMPLETION OR RECOMPLETION REPORT AND LOG* | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME |
| 1a. TYPE OF WELL: OIL GAS WELL DRY X Other | 7. UNIT AGREEMENT NAME |
| b. TYPE OF COMPLETION: | Ma area Ama a |
| NEW WORK DEEP PLUG DIFF. CESVR. Other Plug & Abandon | Moore Amoco 8. FARM OR LEASE NAME |
| 2. NAME OF OPERATOR | Moore Amoco |
| Amoco Production Company 3. ADDRESS OF OPERATOR | 9. WELL NO. |
| P.O. Box 829 Evanston, WY 82930 | 10. FIELD AND POOL, OR WILDCAT |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* | Wildcat |
| At surface Sec. 16, T3N, R7E | 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA |
| At top prod. interval reported below | 1330' FWL, 541 FSL |
| 14,807 1370.75' FSL & 9418' FWL14. PERMIT NO. DATE ISSUED | Sec. 16, T3N, R7E |
| 14,807 1370.75' FSL & 9418' FWL14. PERMIT NO. DATE ISSUED 43-043-30236 07/14/83 | 12. COUNTY OR 13. STATE PARISH |
| 15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, REB, F | Summit Utah at, gr, etc.) • 19. ELEV. CASINGHEAD |
| 7-20-83 3-27-84 - KB 8257' GL 8231 | -' - |
| 20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., 23. INTERVALS HOW MANY DRILLED BY | ROTARY TOOLS CABLE TOOLS |
| 5047. MD-14924 TVD Surface 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD). | 0-15.047! - |
| | 25. WAS DIRECTIONAL SURVEY MADE |
| None | Partial |
| DLL Sonid. FDC/CNL. Dipmeter. Gr (RHT) | 27. WAS WELL CORED |
| | l No |
| 28. CASING CASING SIZE WEIGHT, LB./FT. DEPTH SET () | -C3 |
| CASING SIZE WEIGHT, LB./FT. DEPTH SET () 20 | 8 JILLED |
| 13-3/8 72#,61#,68# 6056' | |
| CASING SIZE WEIGHT, LB./FT. DEPTH SET () 20 | L531950 - |
| 9 5/8-9 7/8 62.8.53.5.47 10008 | |
| 29. 43.5# LINER RECORD SIZE TOP (MP) BOTTOM (MP) 946 | 7a) = |
| SIZE TOP (MD) BOTTOM (MD) SAC | (MD) |
| Seemni | A local la policia de la lacal |
| 31. PERFORATION RECORD (Interval, size and number) | |
| | ED ED |
| Pli 1 D 12891 | |
| | 1946 - 1952 - 1966 - 1966 - 1966 - 1966 - 1966 - 1966 - 1966 - 1966 - 1966 - 1966 - 1966 - 1966 - 1966 - 1966 |
| 11,939 630 SW | _ 105055L |
| 33.* | |
| DATE FIRST PRODUCTION PRODUCTION METHOD (Flow) | Tor |
| DATE OF TEST WOUDS OFFICE | 성용 내용 시민 영화관로 최고 198 <u>1</u> . |
| | |
| FLOW. TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE 10200 1-84 See 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) | detach CORR.) |
| 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) | |
| | |
| 35. LIST OF ATTACHMENTS | 축계 함께 되었습니다. TTT |
| 36. I hereby certify that the foregoing and attached info | er i filologia (h. 1921), portaga (h. 1964). Esperante esperante |
| ARI | |
| SIGNED WASLEURIN 95 FW C 130 | 62 22 C |
| signed Holder 95 FW L 130 | N 78 |

STATE WUTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING

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| | IVISION OF | OIL, GAS, A | ND MINING | ; | $\eta = \eta$ | | | | 5. LEA | SE DESIGN | TATION AND SERIAL N |
|--------------------------------------|---------------------|--------------------------|----------------------|--------------|-------------------|--|---|---------------------------|-------------|---------------------------------------|---|
| WELL CO | MPLETION | OR RECO | MPLETIC |)N R | EPORT | AN | D LO | G * | 6. IF | INDIAN, AL | LOTTEE OR TRIBE NAME |
| ia. TYPE OF WEL | L: OIL | LL GAS WELL | DRY | \mathbf{x} | Other | | | | 7. UNI | T AGREEM | ENT NAME |
| b. TYPE OF COM | | | | _ | | | | | Moc | ore Amo | 000 |
| WELL | OVER DE | EP- PLUG BACK | DIFF. RESVR. | | OtherP <u>lug</u> | & A | <u>bandor</u> | 1 | | M OR LEAS | |
| 2. NAME OF OPERAT | | | | | | | | | | ore Amo | 000 |
| Amoco Prod | | npany | <u>,</u> | | | | | | 9. WE | - | |
| | | ton, WY 82 | 930 | | | | | | | | OOL, OR WILDCAT |
| 4. LOCATION OF WEI | | • | | ith any | State requir | ement | 8)* | · · · · · · · · | | dcat | 00 2, 0 2 112001 |
| At surface Se | - | _ | ~ ~ m n | Maries III | 700m | BOOTON S | (m s | | 11. SE | C., T., R., M | ., OR BLOCK AND SURVEY |
| At top prod. into | erval reported be | elow | | | | Carrie of the Ca | M. | | 133 | | , 541 FSL |
| At : 🖃 🗓 💸 . | | | | | 54 | 15 | ω | | _ | · · · · · · · · · · · · · · · · · · · | T3N, R7E |
| 14,807 1 | 370.75' FS | L & 9418' | FWL14. PERM 43-04 | | | | 188UED 7/14/8 | 3.3 | | UNTY OR RISH | 13. STATE |
| 17 | | 1.10 | | | | | | | | mit 10 | Utah |
| 7-20-83 | 3-27-84 | REACHED 17. DAY | TE COMPL. (Re | aay to | | 825 | 7' G | df, rkb, [. 823 | RT, GR, E | rc.) • 19 |). ELEV. CASINGHEAD |
| 20. TOTAL DEPTH, MD | · | JG, BACK T.D., MD 4 | TVD 22. II | F MULT | TPLE COMPL. | | 1 23. INT | | | Y TOOLS | CABLE TOOLS |
| | [| | н | OW MA | NX* | | | LLED BY | | L5.047' | |
| 5047. MD-1492 24. PRODUCING INTER | VAL(S), OF THIS | Surface completion—to | P, BOTTOM, NA | ME (M | D AND TVD)* | | | -> | ! <u>U-</u> | L5 04 () | 25. WAS DIRECTIONAL |
| None | | | | | | | | | V | ļ ļī | Partial |
| 26. TYPE ELECTRIC A | ND OTHER LOGS | RUN | | | | | | | <u> </u> | 27. | WAS WELL CORED |
| OLL Sonio, | EDC/CNL.JI | Dipmeter, 🤅 | tr) (B # 7 | | | | | | | | No |
| 28. | | | ING RECORE |) (Repo | rt all strings | set is | | | | | |
| CASING SIZE | WEIGHT, LB., | JTT. DEPTH S | ET (MD) | | E SIZE | | CE | MENTING | RECORD | | - AMOUNT PULLED |
| 20 | 106.5# | 377' | | | 6 | | 0 sx, | | | | _ 0 |
| 13-3/8 | 72#,61#,6 | 6056 | | 17 | - 1/2 | | 0 sx (| | | | _ |
| | (0, 0, 50, 1 | - 1-F 7-000C | , - | 7.0 | 7 /). | | arlite | | | CI A | $ \begin{vmatrix} 0 \\ 0 \end{vmatrix}$ |
| 9 5/8-9 7/8 29. | 162.8.53.5 43.5# | 5,47, 10008 | | 12 | -1/4 | 100 | 0 sx (| | | RECORD | U U |
| SIZE | 43.7# TOP (MD) | BOTTOM (MD) | SACKS CEME | INT* | SCREEN (M) | ,, | SIZE | | DEPTH S | | PACKER SET (MD) |
| | | | - | | | - | | | | | |
| | | | | | | | | | | | |
| 31. PERFORATION REC | ORD (Interval, s | ize and number) | ···· | | 32. | AC | D, SHOT | , FRAC | TURE, CI | EMENT SC | UEEZE, ETC. |
| | | | | | DEPTH INT | ERVAL | (MD) | .ii | | | MATERIAL USED |
| | | | Plug 1 | | 11750 | | | | | /50 PO2 | |
| | | | Plug 2 | | 10200 | | | 1 . | | /50 P02 /50 P02 | |
| • | | | Plug 3 | | Surface | | | 120 | SX 70, | 70 102 | 14 |
| 33.* | | | | PROD | UCTION | | | | | | |
| DATE FIRST PRODUCT | ION PROD | OUCTION METHOD (| Flowing, gcs | | | and t | pe of pu | mp) | | well state | rus Producing or |
| DATE OF TEST | HOURS TESTED | CHOKE SIZE | PROD'N. TEST PER | | OIL—BÉL. | , | GAS-M | CF. | WATE | R—BBL. | GAS-OIL RATIO |
| FLOW. TUBING PRESS. | CASING PRESSU | RE CALCULATED 24-HOUR RA | | | GAS- | MCF. | <u>'</u> | WATER | BBL. | OIL | GRAVITY-API (CORR.) |
| 34. DISPOSITION OF G | AS (Sold, used fo | r fuel, vented, etc. | .) | | <u> </u> | | | | TEST V | VITNESSED | B₹ |
| 35. LIST OF ATTACH | DIMPION C | | | · | | | | | 1 | | |
| 36. I hereby certify | that the foregoi | ing and attached | information is | | | | | | | | |
| SIGNED TO | Olevin | <u> </u> | TITL | E X_/ | strict & | NI/ | ling E | ngine | er | DATE Q | 42784 |



or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly which regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

When 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency,

Hem 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Hems 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional atta pertinent to such interval.

Hem 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Hem 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.) or Federal office for specific instructions.

- None Coring

| FORMATION | × | RMATION TOP BOTTOM | BOTTOM | | | DESCRIPTION, CONTENTS, ETC. | | | TOP | |
|-----------|------------|--------------------|----------------|-------------|---------------|-----------------------------|-----------|--------------------|-------------|----------------------|
| | | 00) | 1 1 1 | E | | | | NAM | MEAS. DEPTH | TRUB VERT, DEPTH |
| Nugget | | TTOAR |) | LXI TXI | IO IOS min | 340 ps1 | | +\$0 | 1,300 | 0001 |
| | | | | | - | ο το Ο Το Ο Το | | | 4 3 C C | 4 シンプロロング C L C I |
| | | | | | -1 | | | Aspen | 7974 | 2916 0010 |
| | | | | | rst tao min' | | | Preuss | 9100 | 9049 |
| | | | | | FHP | 5595 psi | | Salt | 9426 | 9194 |
| | | | | | | | | Twin Creek | 9816 | 9762 |
| | | | | Recover | | 2400 cc formation water | .25 ohm-m | Nugget | 11618 | 11528 |
| | | | | 09 <i>@</i> | F 1450 cl ppm | | | Ankareh | 12836 | 12732 |
| | | | | . * | | | | Thaynes | 14109 | 13991 |
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